

ACC NR: AMG010193

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Survey of vibropercussive systems -- 43

- I. One-mass vibropercussive systems with one constraint acted upon by disturbances expressed by a trigonometric polynomial -- 53
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SUB CODE: 26/ SUBM DATE: 03Dec65/ ORIG REF: 415/ OTH REF: 055/

Card 3/3

S/236/63/000/001/010/015
D251/D308

AUTHOR: Ragul'skis, K. M.

TITLE: Dynamics and stability of mechanisms on a vibrating base
in the case of combined friction (1. Simplified equation
of dynamics and periodic motion)

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B. no. 1,
1963, 131-137

TEXT: By commencing with the Lagrange equation of the second kind

$$\frac{d}{dt} \frac{\partial T}{\partial \dot{\varphi}} - \frac{\partial T}{\partial \varphi} = \frac{\partial \Pi}{\partial \varphi} + Q \quad (1.1)$$

in the usual terminology, and considering the i-th component of a mechanism with respect to kinetic energy, and introducing a parameter of dimensionless time, the author succeeds in simplifying the equation of motion without loss of precision. The mechanism is

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Dynamics and stability ...

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supposed plane and with one degree of freedom, while the support has a two-component linear vibration. The case of combined (non-linear viscous and dry) friction is considered. From the simplified equation of motion the author considers the case of periodic motion. The equation of dimensionless time is

$$\begin{aligned} I_n(\varphi)\varphi'' + 0.5 \frac{dI_n(\varphi)}{d\varphi} \varphi'^2 + u''F(\varphi) - u'\psi'f(\varphi) + P(\varphi) + \\ + D_1(\varphi, \omega\varphi') \text{sign } \varphi' + D_2(\varphi, \omega\varphi') = 0 \quad (1.7) \end{aligned}$$

where

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$$I_n(\varphi) = \sum_{i=1} \left[m_i \left(\frac{ds_i}{d\varphi} \right)^2 + I_i \left(\frac{d\varphi_i}{d\varphi} \right)^2 \right] \quad (1.3)$$

is the reduced moment of inertia of the mechanism. A solution is sought in the form

$$I_n(\varphi_0)\varphi''_1 + k\varphi'_1 + u^n F(\varphi_0) - u'\psi' F(\varphi_0) + \frac{1}{T} f(\varphi_0) \int_0^T u''\psi'' d\tau = 0 \quad (2.2)$$

$$I_n(\varphi_0)\varphi''_0 + P(\varphi_0) + D_1(\varphi_0, \omega\varphi'_0) \text{sign } \varphi' + D_2(\varphi_0, \omega\varphi'_0) +$$

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Dynamics and stability ...

$$+ \frac{1}{T} \int_0^T [u''F(\varphi_0 + \varphi_1) - u'\psi'f(\varphi_0 + \varphi_1)] d\tau = 0 \quad (2.3)$$

where T is the periodic time of the functions under the integral signs. Here D_1 and D_2 are periodic functions of φ , and

$$I_n(\varphi) = \sum_{i=1}^j \sum_{p_i=1}^{q_i} \left[m_i p_i \left(\frac{ds_i p_i}{d\varphi} \right)^2 + \Delta I_i \left(\frac{d\varphi_i}{d\varphi} \right)^2 \right], \quad \right)$$

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Dynamics and stability ...

$$F(\varphi) = \sum_{i=1}^j \sum_{p_i=1}^{q_i} m_{ip_i} \frac{ds_{ip_i}}{d\varphi} \cos \alpha_{ip_i},$$

$$f(\varphi) = \sum_{i=1}^j \sum_{p_i=1}^{q_i} m_{ip_i} \frac{ds_{ip_i}}{d\varphi} \sin \alpha_{ip_i}$$

{ (1.6)

Power series methods are used to obtained the equation of stability and the stability condition. The regions of positive stable and unstable equilibrium are investigated. There is 1 figure.

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Dynamics and stability ...

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ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk
Litovskoy SSR (Institute of Power and Electrical En-
gineering of the AS Lithuanian SSR)

SUBMITTED: May 25, 1962

Card 6/6

S/236/63/000/001/011/015
D251/D308

AUTHOR: Ragul'skis, K. M.

TITLE: Multiple self-synchronization of mechanical vibrators

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B. no. 1,
1963, 139-143

TEXT: The phenomenon of self-synchronization was first observed in the USSR in 1947-48, and its theory worked out by I. I. Blekhman (Izv. AN SSSR, OTN, no. 6, 1958) and others. The author extends this theory to the case of several vibrators acting with angular velocities which are multiple with respect to each other. The limiting cycles, the transient processes close to the limiting cycles and the region of the initial parameters of motion (velocities and displacements) of the vibrators of vibro-machines are investigated. It is shown that suitable limiting cycles may be established and that it is possible to apply the phenomenon of self-synchronization to the construction of special vibrators and other instruments. There is 1 figure.

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Multiple self-synchronization ...

S/236/63/000/001/011/015
D251/D308

ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk
Litovskoy SSR (Institute of Power and Electrical En-
gineering of the AS Lithuanian SSR)

SUBMITTED: June 25, 1962

Card 2/2

S/236/63/000/001/009/015
D251/D308

AUTHOR: Ragul'skis, K. M.

TITLE: On the simplification of the equations of the dynamics of mechanisms

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B. no. 1, 1963, 125-129

TEXT: The author describes a method of eliminating the dynamic errors of the statical distribution of the masses of the components of a mechanism by introducing fictitious additional moments of inertia

$$\Delta l = \int_0^{L_1+1} (L_1 + 1 - x)^2 y \, dx + \int_0^{L_1+L+L_2} (L_1 + 1 - x)^2 y \, dx -$$

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On the simplification ...

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$$-\left(1 - \frac{m_B}{m}\right) m_B L^2 \quad (2)$$

where

$$l = \frac{m_B}{m} L; \quad m = \gamma \int_0^{L_1+L+L_2} y \, dx,$$

$$m_B = \frac{\gamma}{L} \left[\int_{L_1}^{L_1+L+L_2} (x - L_1) y \, dx - \int_0^{L_1} (L_1 - x) y \, dx \right] \quad (3)$$

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On the simplification ...

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m_A and m_B are the masses substituted at the points A and B, γ is the mass per unit volume of the component, $y = y(x)$ is the area of cross-section. This eliminates the dynamic errors due to considering the inertia. This may be used to simplify, without loss of precision, the study of the inertia of high-speed mechanisms which perform compound motion. The case of a crank-shaft rocker mechanism is considered in detail. There are 3 figures.

ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk Litovskoy SSR (Institute of Power and Electrical Engineering of the AS Lithuanian SSR)

SUBMITTED: May 22, 1962

Card 3/3

RAGULSKIS, K.M.

Dynamics of engines with electric wiring. Liet ak darbai B no.3:
229-234 '60.
(EEAI 10:3)

1. Institut energetiki i elektrotehniki Akademii nauk Litovskoy
SSR
(Electric machinery)

S/044/62/000/011/059/064
AC60/A000

AUTHOR: Ragul'skis, K.E.

TITLE: Stable cycles in the steady-state motion of a machine with one degree of freedom as an autonomic system

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1962, 55, abstract 11V273
(Tr. AN LitSSR, 1961, B, 4 (27), 207 - 213; summary in Lithuanian)

TEXT: The method of a small parameter is used to investigate the stability of the periodic solutions of the equation

$$I(\varphi) \frac{d^2\varphi}{dt^2} + 0.5 \frac{dI(\varphi)}{d\varphi} \left(\frac{d\varphi}{dt} \right)^2 = M(\varphi, \frac{d\varphi}{dt}),$$

where I and M are periodic functions with the same period.

M.A. Ayzerman

[Abstracter's note: Complete translation]

Card 1/1

RAGUL'SKIS, K.M. [Ragulskis, K.]

Stable cycles of the steady motion of a machine with one
degree of freedom as autonomous system. Liet ak darbai
B no.4:207-213 '61.

1. Institut energetiki i elektrotokhniki AN Litovskoy SSR.

RAGUL'SKIS, K.M. [Ragulskis, K.]

Determination of the steady motion of a machine with several
flexible connections of the transmission. Liet ak darbai B
no.4:201-206 '61.

1. Institut energetiki i elektrotehniki AN Litovskoy SSR.

42660

S/236/62/000/002/004/004
E191/E481

AUTHOR: Ragul'skis, K.M.

TITLE: On heteroparametric phenomena and their stability

PERIODICAL: Trudy Akademii nauk Litovskoy SSR, Seriya B, 2(29)
1962, 205-208

TEXT: A physical pendulum is considered whose axis of rotation is horizontal and is subject to an imposed translational oscillation. It has been observed that a stable rotational motion can be maintained. In particular, a rotation with a mean angular velocity equal to half the "circular frequency" of the oscillation has been observed. The methods used by previous investigators were unsuitable for angular velocities n times smaller than the circular frequency of oscillation defined as heteroparametric phenomena. A form of the method of averaging is applied in the present paper which simplifies the analysis of these phenomena. Their existence and stability are proved. The averaging method divides the rotational motion of the pendulum into a slow component and a fast oscillatory deviation. Experimental verification on a vibrating table was obtained for $n = 1, 2, 3$ but no higher.
Card 1/2

On heteroparametric ...

S/236/62/000/002/004/004
E191/E481

ASSOCIATION: Institut energetiki i elektrotekhniki.
Akademii nauk Litovskoy SSR
(Institute of Power Engineering and Electrical
AS Lithuanian SSR) Engineering,

SUBMITTED: December 7, 1961

Card 2/2

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2

RAGULSKIS, K.M.

Free single-frequency oscillations of mechanisms around the position
of static equilibrium. Liet ak darbai B no.3:235-237 '60. (EEAI 10:3)
(Electric machinery)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

RACHINSKII, K.I.

RACHINSKII, K.I. --Dynamic Design Methods for the Gears of Automatic Machines." Cand Tech Sci, Inst of Machine Tools, Acad of Sci, U.S.S.R., 13 Jan 54. (Vechernaya Koskva, 4 Jan 54.)

30: Sum 168, 22 July 1954)

RAGUL'SKIS, Z.M. [Ragulskis, Z.]

Nonuniformity of the travel of a machine. Trudy AN Lit.SSR
Ser.B. no.18215-319 '64. (MIRA 1788)

Study of the steady motion of a machine with one elastic
coupling. Ibid.8321-227 '62.

1. Institut energetiki i elekrotekhniki AN Litovskoy SSR.

BUTSKUS, P.F. [Buckus, P.] ; RAGUOTENE, N.V. [Raguotiene, N.]

Anisidine as an agent of decyanoethylation. Zhur. ob. khim.
31 no. 11:3639-3642 N '61. (MIRA 14:11)

1. Vil'nyuskiy gosudarstvennyy universitet.
(Anisidine)

BUTSKUS, P.F. [Buckus, P.]; RAGUOTENE, N.V. [Raguotiene, N.]

Reaction of aromatic amines with β -substituted propionitriles.
Zhur. ob. khim. 32 no. 6:1816-1820 Je '62. (MIRA 15:6)

1. Vil'nyusskiy gosudarstvennyy universitet.
(Amines) (Propionitrile)

BUTSKUS, P.F. [Buckus, P.]; RAGUOTENE, N.V. [Raguotiene, N.]; DENIS, G.I.;
BUTSKENE, A.I. [Butskiene, A.]

Decyanoethylation and recyanoethylation of products of N-cyano-
ethylation of amino acids, their derivatives, peptides, diketo-
piperazines, and proteins. Zhur.ob.khim. 32 no.3:738-741 Mr
'62. (MIRA 15:3)

1. Vil'nyusskiy gosudarstvenny universitet.
(Amino acids) (Cyanoethylation)

BUTSKUS, P.E. [Buckus, P.]; RAGUOTENE, N.V. [Reguotiene, N.]

Amides of aryloxypropionic acids. Zhur. ob. khim. 33 no. 2:622-
624 F '63. (MIRA 16:2)

1. Vil'nyusskiy gosudarstvennyy universitet.
(Propionamide)

BUTSKUS, P.F. [Buckus, P.]; DENIS, G.I.; RAGUOTEME, N.V.

Anomalous reactions of α -aminopyridine alkylation. Zhur. ob. khim.
33 no.4:1236-1244 Ap '63. (MIRA 16:5)

1. Vil'nyusskiy gosudarstvennyy universitet.
(Pyridine) (Alkylation)

BUTSKUS, P.F. [Buckus, P.]; RAGUOTENE, N.V. [Raguotiene, N.]

Transformations of N-cyanoethylated α -amino acids and their derivatives.
Zhur. ob. khim. 34 no. 2: 593-598 F '64. (MIRA 17:3)

1. Vil'nyuskiy gosudarstvennyy universitet.

BUTSKUS, P.F. [Buckus, P.]; RAGUOTENE, N.V. [Raguotiene, N.]; BUTSKENE, A.I.
[Buckiene, A.]

Alkylation of 4-methyl-2-aminopyridine. Zhur. ob. khim. 34 no.11:
3847-3848 N :64 (MIRA 18:1)

1. Vil'nyusskiy gosudarstvennyy universitet i Vil'nyusskiy
gosudarstvennyy pedagogicheskiy institut.

L 27776-66

ACC NR: AP6008778

SOURCE CODE: UR/0115/66/000/001/0039/0041

AUTHOR: Raguzin, R. M.45
29
B

ORG: none

TITLE: Microscope for measuring geometrical parameters of particle tracks in nuclear emulsions

9M

SOURCE: Izmeritel'naya tekhnika, no. 1, 1966, 39-41

TOPIC TAGS: microscope, nuclear emulsion, particle track, track analysis

ABSTRACT: The development (in 1959-61) of a new MIGE-1 semi-automatic microscope equipped with a special computer is briefly reported. Optical and kinematic diagrams of the microscope are shown. The optical system has a magnifying power of 70 to 1800. The objective stage can be moved by 40 mm along x- and y-axes with an error of ± 0.005 mm and can carry 120 x 220-mm preparations. Tape speed, 19.05 cm/sec. Reel capacity, 500 m or 6000 points. Three programs permit measuring: (1) long track, (2) short tracks, and (3) cosmic-shower-type phenomena. The special binary computer performs 300 operations per second and solves one problem in 2--3 sec. The microscope helps in measuring and calculating parameters of 500 tracks a day (by one operator); hence, the operator's productivity increased by 20--25 times. These persons took part in the development of the microscope: G. Ye. Skvortsov,

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Card 1/2

UDC: 531.715

2

L 27776-66

ACC NR: AP6008778

V. E. Pikkell, F. G. Lepekhin, A. A. Sidorov, M. I. Kolpakov, L. G. Braudze,
O. A. Mironov, V. A. Belyayev, M. N. Rusev, O. A. Artamonov, A. V. Tyagnibeda,
Yu. S. Volkov, V. A. Zhamov, B. M. Yakovlev, V. A. Panov, F. I. Shumskaya, and
A. A. Serebryakova, Orig. art. has: 4 figures.

16

SUB CODE: 18 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 001

Card 2/2 DU

ARMAND, G.B.; VYAZ'MIN, V.A.; GRINSHTEYN, L.M.; GOL'DBERG, G.I.; GOLUBEV, B.S.; KASILAKOV, M.V.; KRASHNOPEVTSEV, M.P.; KUZNETSOV, S.I.; KURAYEV, A.V.; KAYUKOV, G.I.; MASHATIN, V.I.; MOLOTOLOV, V.I.; NERUSH, A.R.; PRAL', G.I.; RAGUSKAYA, L.F.; RUBINSHTEYN, S.M.; SEMENKOV, P.L.; TARASOV, L.A.; FEDOROVA, A.A.; TSEPKIN, M.F.; SHAYEVICH, A.G.; ZARUBIN, A.G., otv.red.; VASIL'YEVA, I.A., red. izd-va; SOKOLOVA, T.F., tekhn.red.

[ZIL-157 motortruck; operation and service] Avtomobil' ZIL-157; instruktsiya po ekspluatatsii. Gos.nauchno-tekhn.izd-vo mashino-stroit.lit-ry, 1958. 235 p. (MIRA 11:12)

1. Moskovskiy avtomobil'nyy zavod.
(Motortrucks)

KURAYEV, A.V.; SEMENKOV, P.L.; BELYI, N.G.; BULAVA, V.P.; VYAZ'MIN, V.A.:
GOLUBEV, B.S.; DYSHMAN, B.M.; KARMLIN, B.S.; KAYUKOV, G.I., KUGEL',
N.V.; MASHATIN, V.I.; RAGUSKAYA, L.F.; HUBINSHTYN, S.M.; SHTRANOV,
A.B.; TARASOV, L.A.; FEDOROVA, A.A.; FEDOROV, L.N.; TSERKIN, M.P.;
SHAYEVICH, A.G.; VASIL'YENKA, I.A., red. izd-va; TIKHANOV, A.Ya.,
tekhn. red.

[ZIL-158 and ZIL-158A motorbuses; instructions for operation] Avtobusy
ZIL-158 i ZIL-158A; instruktsii po ekspluatatsii. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 193 p.
(MIRA 11:7)

1. Moskovskiy avtomobil'nyy zavod.
(Motorbuses)

RAGUZ, Franjo, d-r

Pulmonary segments. Med. arh., Sarajevo 12 no.2:127-133 Mr-Ap '59.

1. Grudno odjeljenje Opste bolnice u Banjaluci, sef odjeljenja: d-r
F. Raguz.
(LUNGS anat. & histol.)

RAGUZ,Franjo,d-r

Ten-year survey of the activities of the pulmonary ward of the
Banjaluka hospital, 1946-1956. Med. arh., Sarajevo 13 no. 4:97-
116 Jl-Ag '59.

1. Opsta bolnica - Grudno odjeljenje Banjaluka, sef odjeljenja:
d-r F. Raguz.
(TUBERCULOSIS hosp. & clinics)

ZAGREB, N.

Electrification of Dubrovnik's islands. . . .

ELEKTRIJA. (zajednica elektroprivrednih poduzeća i tvrtke i Institut
za elektroprivredu u Zagrebu) Zagreb, Yugoslavia. Vol. 1, no. 7/8,
July/Aug. 1968.

Monthly List of East European Acquisitions (EAL), Vol. 1, no.1,
Jan. 1968

Uncl.

RAGU A, A. I.

Self unloading furnace for heating billets. Kuz.-shtam.proizv.
(MIRA 18:4)
7 no.2:35-37 F '65.

RAGUZIN, F. Ya.

Organizatsiia raboty po izobretatel'stvu na maskinostroitel'nom zavode. Moskva,
Kashgiz, 1950. 77 p. illus

Organization of suggestion systems in a machine-building plant.

DLC: TJ1135. R3

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

RAGUZIN, F. IA.

RAGUZIN, F. IA.
Suggestions for improvement of work in machine- construction plants.
Moskva, Gos. nauchno-tekhn. iad-vo mashinostroit. lit-ry, 1950. 77 p.
(50-37357)

TJ1135.R3

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CIA-RDP86-00513R001344020005-2

ZHDANOV, A.P.; KOLPAKOV, M.I.; KUZ'MIN, V.N.; RAGUZIN, R.M.; FEDOTOV, P.I.

Instruments for measuring gaps in particle tracks in photographic
emulsions. Prib. i tekhn. eksp. no.1:46-47 Ja-F '58. (MIRA 11:4)

1. Radiyevyy institut AN SSSR.
(Photography, Particle track)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

SOV-120-58-1-8/43

AUTHORS: Zhdanov, A.P., Kolpakov, M.I., Kuz'min, V.N., Raguzin, R.M., Fedotov, P.I.

TITLE: An Instrument for Measuring the Gap Lengths in the Tracks for Particles in Photo-Emulsions (Pribor dlya izmereniya prosvetov v trelakh chashtits v fotoemul'siyakh)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1958, Nr 1, pp 46-47
(USSR)

ABSTRACT: The instrument is in the form of an eye-piece in whose field of view one sees a scale, a pair of parallel lines and the usual crosswire. The cross wire is set parallel to the track and the gap defined by the two parallel wires is moved along the track. This motion is achieved by means of the two micrometers shown in Fig.2. The motion of the two micrometers is independent of each other. There are 2 diagrams, no tables and 3 references, one of which is English

Card 1/2

SOV-120-58-1-8/43

An Instrument for Measuring the Gap Lengths in the Tracks for
Particles in Photo-Emulsions.

and 2 Soviet.

ASSOCIATION: Radiyevyy institut AN SSSR (Radium Institute of the
Academy of Sciences, USSR)

SUBMITTED: June 22, 1957.

1. Particles--Photographic analysis
2. Particles--Penetration
3. Measurement
4. Optical instruments--Applications

Card 2/2

RAGUZOV, V.

Seminar of workers engaged in the organization and establishment of work norms in the Khabarovsk Economic Council.
Sots. trud 8 no.12:141-142 D '63. (MIRA 17:2)

S/081/61/000/005/011/024
B105/B205

AUTHOR: Raguzina, I. M.

TITLE: On the problem of purifying crude benzene with silica gel

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1961, 524, 5M57
(5 M 57) from "Sb. nauchn. tr. Tomskiy elektromekhanich.
in-t inzh, zh.-d. transp." 1959, 28, 246 - 256

TEXT: Laboratory tests showed that the fine-pored silica gel LUC M
(ShSM) of Voskresenskiy Khim. Kombinat (Voskresensk Chemical Combine)
is suited best for purifying crude benzene from unsaturated and sulfur-
containing compounds. The best results are obtained in purifying a
mixture of benzene, toluene, and xylene fractions. Use of H₂SO₄ is
superfluous in this case. The optimum temperature of purification is
150°C.

Card 1/1

RAGUZINA, I. M.

Cand Tech Sci - (diss) "Purification of raw benzene using silica gel." Tomsk, 1961. 9 pp with illustrations; (Ministry of Higher and Secondary Specialist Education RSFSR, Tomsk Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov); 200 copies; price not given; (KL, 7-61 sup, 244)

MARGOLIN, I.S.; BUNAREVA, Z.S.; RAGUZINA, N.A.

Preparation of bulked yarn. Khim.volok. no.6:53-55 '59.
(MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.
(Textile fibers, Synthetic) (Yarn)

RAGUZOV, V.

Wages for grade 9-11 secondary school students during their
industrial training. Sots.trud 7 no.4:142-145 Ap '62.
(MIRA 16:1)
(Education, Cooperative) (Student Employment)

RAGUZOV, V.

Supply the Far East with a permanent labor force. Sots. trud 8 no.6:
77-80 Je '63. (NIRA 16:9)
(Soviet Far East--Labor supply)

RAGUZOV, V.

The worker, foreman and the head of a workshop are the best con-
trollers. Sots. trud 7 no.9:85-90 S '62. (MIRA 15:9)
(Quality control)

RAGUZOV, V.; DENISOV, I.

Wages of apprentices and instructors in on the job training. Sots.
trud 5 no.2:137-139 F '60. (MIRA 13:6)
(Vocational education) (Wages)

RAGUZOV, V.

Quality of the vocational education of workers. Sots. trud 5
no.11:68-75 N '60. (MIRA 14:1)
(Technical education)

RAGUZOV, V.

Improve the training of personnel in the setting of work norms.
Sots.trud 4 no.9:82-86 S '59. (MIRA 13:1)
(Work measurement--Study and teaching)

RAGUZIN, V.M., inzh.; SMIRNOV, Ye.S., inzh.; KHALAMOV, S.Ya., inzh.

Prevent the spontaneous shooting of perforators and torpedoes.
Bezop. truda v prom. 5 no. 2:13-14 F '61. (MIRA 14:2)
(Oil fields—Safety measures)

GOLOSHCHAROV, Semen Andreyevich; RAGUZOV, V.N.

[Wages during the period of practical training in industry]
Oplata truda v period proizvodstvennogo obucheniia. Moskva,
Gos.izd-vo iurid. lit-ry, 1961. 53 p. (MIRA 15:12)
(Wages)

GOLOVACH, A.G.; RAGUZSKIY, Ya.V.

Behavior of some Michurin fruit varieties in Leningrad. Trudy
Bot.inst.Ser.6 no.4:129-138 '55. (MIRA 9:2)
(Leningrad--Fruit culture)

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CIA-RDP86-00513R001344020005-2

HUNGARY, 1, ...

"Lessons From A Great International Encounter", n. 3, (REFUG, Vol. 7,
No. 14, July 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

RAGYANSZKY, A.; FIRESCU, M.

An article written for Skrzydla Polska at the International Glider Contest.
p. 475. (SKRZYDŁA POLSKA, Vol. 10, No. 30, July 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.
1954, Unc^l.

CZECHOSLOVAKIA

RAHA, F., MD.

Rehabilitation Ward of the Military Hospital (Re-
abilitacni oddeleni vojenske nemocnice),
Pilsen

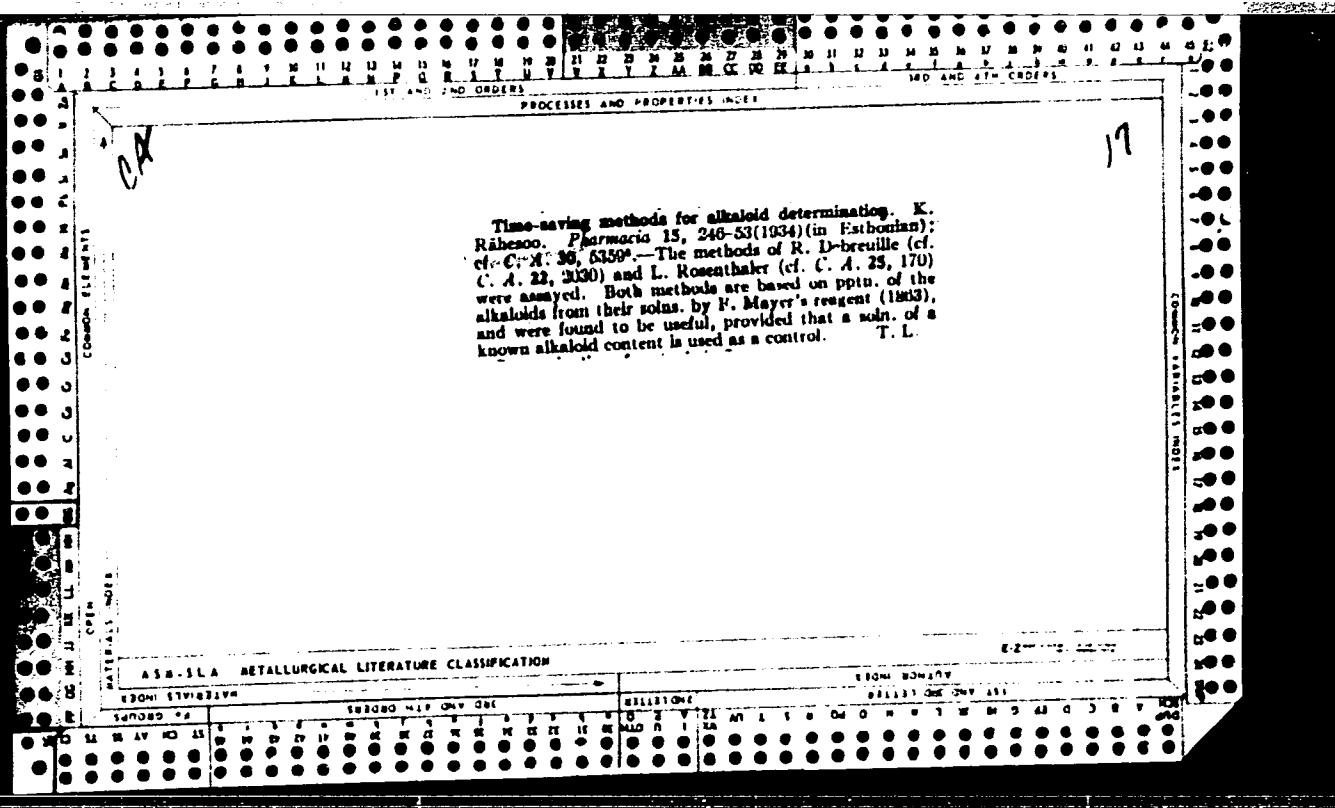
Prague, Prakticky lekar, No 10, 1963, pp 375-376

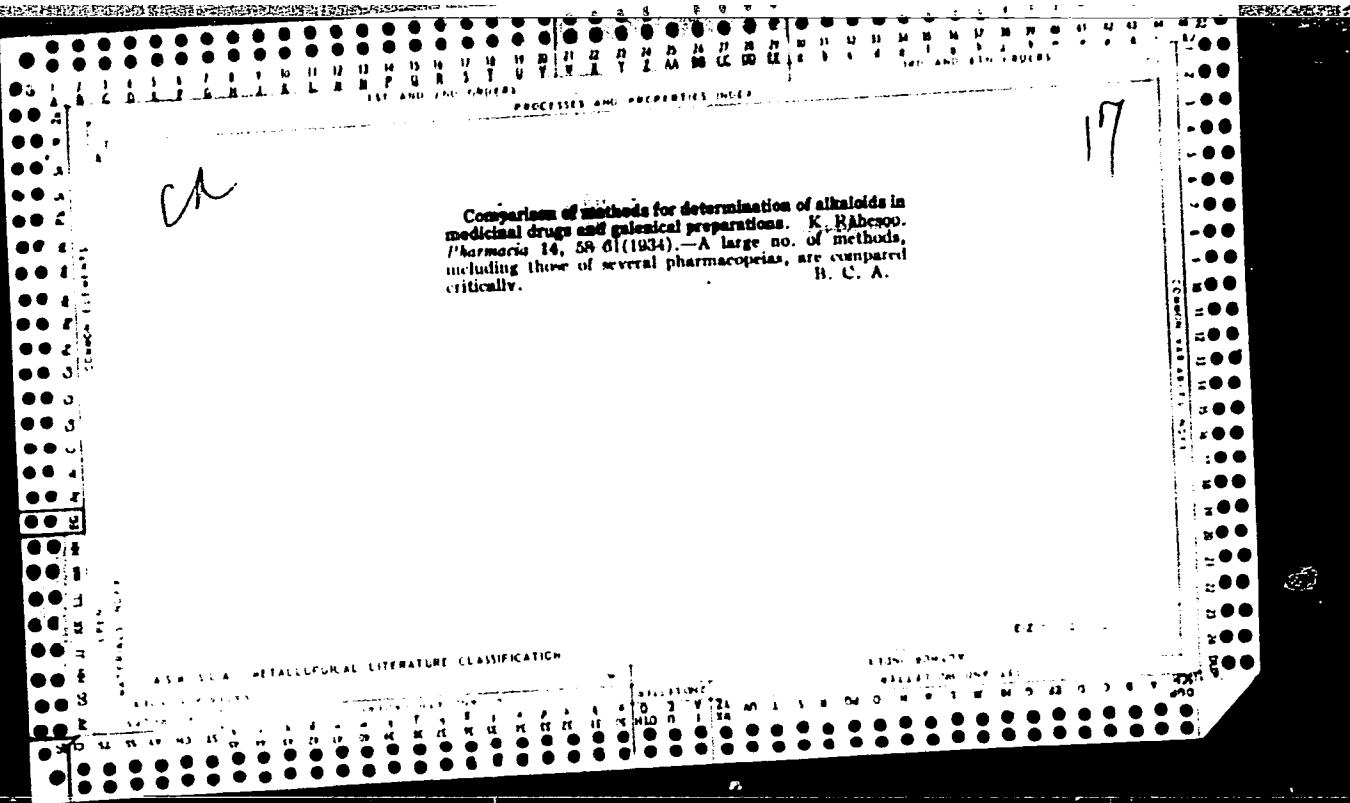
"Theory and Practice of Rehabilitation in Unexpected
Cerebral Cases."

Rach, F.

Hydrotherapy in rehabilitation of post-traumatic osteoarthritis
and Sudeck's syndrome. Roczn. sanit. 43 no. II, 764-767, 6 '61.

L. Oddalani rehabilitace a rekonalizace vojenskeho rekonvalescence
v Plzni, (nacelnik ppk. MUDr. F. Rank).





RAHAK, E.; VYKOVSKA, K.

Use of complexons in chemical analysis XLVI. Gravimetric and volumetric determination of arsenate., p. 765,

CHESKÉ LIKY (Ceskoslovenska akademie věd. Ceskaslovenska spotlost chemicks) Praha, Czechoslovakia. Vol. 49, no. 5, May 1955.

Monthly List of East European Accessions (MEAL), LC, Vol. 9, no. 1, Jan 1960

Encls.

CZ ECHOSLOVAKIA

UDC 616.24-002.5-08-039.713:356.4

RAHAY, Anton; HALAK, Ondrej, Docent; KOSTOLNY, Imrich, Docent;
Military Institute for Lung Diseases (Vojensky Ustav pre Choroby
Plucne), Nova Polianka, Head (Nacelnik) Docent Dr O. HALAK; 2nd
Clinic for Surgery (II. Chirurgicka Klinika), Bratislava, Head
(Prednosta) Member of Academy K. SISKA.

"Lung Resection in Treatment of Tuberculosis in Active Duty Pi-
lots."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 2, Apr 66, pp
84 - 87

Abstract: A description of partial lung resections performed on
7 active-duty pilots who suffered from tuberculosis is given. The
operation is indicated in young pilots who have a single lung
affected and in whom antimicrobial treatment was not successful.
The resection should be radical enough, while as much lung paren-
chyma as possible should be saved. When there are no complica-
tions after the operation, the patient may return to active duty
after one year. 7 Western, 5 Czech references.

1/1

- 42 -

RABITSKIKH, V.P. [Rabits'kykh, V.P.]

Various problems in the manufacture and sale of clothing. Leh.prcm.
no.1:30-82 Ja-Mc 165. (MIRA 18:4)

Rahkimova, A. Kh.

Characteristics of chemical composition and the laxative effect of the pericarp of honey-locust. A. Kh. Rahkimova. Doklady Akad. Nauk Azerbaidskay. SSSR, No. 9, 640-65(1953). Referat. Zhur., Khim. 1954, No. 31045.—The pericarp of *Gleditsia triacanthos* was found to contain alkaloids 0.03-0.06, glucosides and anthraglucosides 2.5, saponins and tannins 3.11%, proteins, and other substances. Decoctions and exts. of the honey-locust pericarp caused contraction of the cat's intestine. Preprns. of the *Gleditsia* pericarp are suggested as laxatives. M. Hosch —

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2

RAHKMANOV, V.

"With a Strange Voice," Meteorologiya i Gidrologiya, Issue No. 1, 1949.

U-1442, 28 Aug 51

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

Rahak 15
CZECHOSLOVAKIA/Analytical Chemistry - General Questions

G-1

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4662

Author : XLVIII. Schneider Petr, XLIX. Malinek, M., Rahak, B.
Title : Utilization of Complexons in Chemical Analysis. XLVIII.
Gravimetric Determination of Thorium. XLIX. Gravimetric
Determination of Silver and Mercury with Mercaptobenzo-
thiazole in the Presence of Complexon III.

Orig Pub : Chem. listy, 1956, 50, No 1, 81-83; 157-159

Abstract : XLVIII. In ammoniacal media, in the presence of Complexon III, action of H_2O_2 on salts of $Fe(3+)$, Al and Th, brings about a quantitative precipitation of only Th (after 30-60 minutes). Precipitation of Fe and Al does not take place even after several days. On precipitation of Th in the presence of Fe, Al and other elements, the readily filterable precipitate is washed with water, calcined and weighed as ThO_2 . In the presence of 10-fold excess of Al, reprecipitation is utilized. Th can

Card 1/4

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CZECHOSLOVAKIA/Analytical Chemistr. - General Questions

G-1

Abs Jour : Referat Zhur - Khimiya, № 2, 1957, 4662

also be determined by the complexometric method, after dissolution of the precipitate in HCl, using pyrocatechol violet as an indicator (RzhKhim, 1955, 5763). In the filtrate Fe is determined gravimetrically, after removal of H_2O_2 by boiling, and precipitation with alkali in the cold. To determine Al, there is added to the filtrate, after removal of H_2O_2 by boiling, an equivalent amount of 0.1 M $Ca(NO_3)_2$, the flocculent precipitate ($AgC_6H_4NCS_2$

or $Hg(C_6H_4NCS_2)_2$) is filtered off through a G3 glass filter, washed with ~ 0.1 N solution of NH_4OH and dried at 110° . On determination of Hg the solution must not be strongly alkaline and the temperature of the solution, during precipitation must be $\leq 90^\circ$. The precipitate if filtered off immediately and dried ≤ 0.5 hour. Determination of Ag and Hg, when both are present, by masking of one of the cations is not

Card 2/4

- 10 -

APPROVED FOR RELEASE: 03/14/2001

CZECHOSLOVAKIA/Analytical Chemistr. - General Questions

G-1

CIA-RDP86-00513R001344020005-2"

Abs Jour : Referat Zhur - Khimiya, № 2, 1957, 4662

possible. The method is suitable for determination of Ag in the presence of excess Pb or of cations that interfere on a volumetric determination of Ag with SCH^- .

XLIX. On use of mercaptobenzothiazole (I) as a reagent in gravimetric analysis (Spacu G., Kuras M., Z. analyt. Chem., 1935, 102, 24; 1936, 104, 88; Kuras M., Sb. chekhol. khim. rabot, 1935, 11, 363) its selectivity can be considerably enhanced by means of complexon (II) (tetrasodium salt of ethylenediamine tetracetic acid). In ammoniacal solution of II, on an addition of I, only Ag^+ and Hg^{2+} are precipitated, while most of the other cations, with the exception of Au and metals of the Pt-group, are masked by II. In the presence of 4-valent metals and Be they are masked with tartaric acid. To a solution containing 10-100 mg Ag (Hg) is added an excess of II and 1-3 ml of 50% solution of CH_3COONH_4 . After

Card 3/4

- 11 -

CZECHOSLOVAKIA/Analytical Chemistry - General Questions

G-1

Abs Jour : Referat Zhur - Khimiya, No 2, 1951, 4652

alkalinization with NH_4OH (to phenolphthalein) a slight excess of I is added to the solution maintained at a gentle boil. On stirring at moderate temperature a yellow precipitate is formed and Al is separated quantitatively. Determination of Th is interfered with by Ti and rare earth elements. The method is suitable for the analysis of thorium containing W used in radio engineering.

Communication XLVII, see RzhKhim, 1956, 54/44.

Card 4/4

- 12 -

S/169/62/000/004/041/103
D228/D302

AUTHOR:

Rahau, Lidia

TITLE:

Application of Khrabov's method for obtaining the qualitative indices of the AT-500 (AT-500) map on the basis of future development tendencies

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1962, 44-45, abstract 4B262 (Meteorol., hidrol. si gospod. apelor, 6, no. 2, 1961, 109-113)

TEXT: Methods of distinguishing the planetary high-altitude frontal zone are briefly characterized, and three types of zone are described. A means of applying the velocity-eddy equation under conditions of a homogeneous macroprocess is stated, and the practical formula and rule of Yu. B. Khrabov are cited, and the practical zones with cyclonic or anticyclonic eddying and for their movement. The method was used in the laboratory of long-term synoptic forecasting for the period from December 26, 1960, to February 16, 1961. Of the periods, entering into this time interval, that from January

Car

Card 1/2

Rabin, J.; Marder, F.

"Contribution to the sulfonation of diphenyl." p. 837

Institute of Technology, (Institute of Technology) Vol. 10, No. 2, May 1953.

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5 May 1953

RAHM, J.

21

Synthesis of an ion-exchange resin selective for nickel.
J. Stemberz, I. Seidl, and J. Rahm (Research Inst. Synthetic Resins and Lacquers, Pardubice, Czech.). *J. Polymer Sci.* 31, 13-24 (1958) (in German).—Repetition of work done elsewhere (Klyachko, *C.A.* 46, 3327g) on the synthesis of a Ni-selective ion-exchange resin based on the dimethylglyoxime group showed that such a resin had certain disadvantages, but that some of these could be eliminated by varying the resin formulation. The original dimethylglyoxime-sulforescinol resin lost dimethylglyoxime on elution and in reaction with HCHO. A new resin was prep'd. by condensing *p,p'*-dihydroxybenzil dioxime with HCHO in a mole ratio of 1:2; but, while the resin did not yield dioxine on elution, it was destroyed by HCHO and was not selective towards Ni. Another resin was prep'd. by condensing resorcinol (1 mole) with HCHO (1.2 mole) and treating the product in an alk. alc. medium with 1-bromo-3-hydroxybutan-2-one to 74% conversion and then adding a further oxime group by treatment with excess HOH₂N.HCl in an aq. alc. medium buffered with NaOAc to 95% conversion. The product, which was an *o*-(2,3-dihydroxyamino-butyl) deriv. of a resorcinol-HCHO resin, showed instability owing to peptization at the high pH values necessary to form a Ni complex. A further series of resins was prep'd. based on polystyrene. Initially polystyrene (av. mol. wt. 150,000), EtCOCl, and AlCl₃ in component ratio 1:1:1 were allowed to react in CS₂ in which the reaction product was insol. This product was then treated with MeONO in a dioxane-HCl medium to form the monoxime. On addn. of H₂O a light resin was formed. The dioxine was then prep'd. from this by treatment with excess NH₄OH as above, the max. conversion obtained being 72.8% based on N content. Propionyl substitution had taken place in the para position of the polystyrene. This resin showed a Ni capacity of 2 meq./g. but exhibited poor mech. properties. Further resins of this type were therefore prep'd. from styrene-divinylbenzene copolymers (0.3% and 1.0% divinylbenzene). These are now being evaluated. R. J. R.

Distr: 4E2c

SJ

SEKERA, A.; RAHM, J.

Natural antihelminthic drugs; askaridol. Czech. farm. 1 no. 8:471-477
Sept 1952.
(CIML 23:2)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2

SEKERA, A.; RAJIM, J.

Natural and helminthics, III, Helenin, Cesk. farm, 2 no.1:22-24
Jan 1953. (CIML 25:1)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2

SEKERA, A.; RAHM, J.

Natural anthelmintics; santonin. Cesk. farm. 1 no.10:594-598 1952.
(CIML 23:2)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

TAUBEL, I.; RAIM, J.; LESEK, F.

Carboxymethyl cellulose as stabilizer of the suspension polymerization.
Chem prum 12 no.7:389-390 Jl '62.

1. Vyzkumny ustav syntetickych pryskyric a laku, Pardubice.

RAHM, J.

Chem
4

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Pharmaceuticals, Cosmetics, and Perfumes.

Anthelmintics of natural origin. III. Helenin, A. Sekera
and J. Rahm (Univ. Brno, Czech.). Ceskoslov. farm. 2,
22-4 (1953); cf. C.A. 47, 8071a.—A review on chemistry
and effect, with 19 references. D. Hubsková

8-31-54
ggp

SEIDL, Josef; MALINSKY, Jaroslav; RAHM, Jan

New trends in the development of ion-exchangers. Chem listy
58 no. 6:651-656 Je '64.

1. Research Institute of Synthetic Resins and Lacquers,
Pardubice.

Applied Mechanics
Review

Wave Motion, Impact

36

2202. H. A. Rahmatulin, Investigation of the laws of propagation of plane elastic-plastic waves in a medium with a variable elastic limit (in Russian), Prikl. Mat. Mekh. 14, 65-74 (1950).

Plastic deformation theory is used to discuss propagation of plane longitudinal waves in a medium in which the elastic limit $\sigma_0(\epsilon)$ varies as a function of the coordinate. It is shown that the law of propagation of a plastic wave depends only on $\sigma_0(\epsilon)$ and the stress-strain curve and is independent of the manner of loading. In general, three stressed regions will exist in such medium - an elastic region, a region of plastic loading, and a region of unloading. For the case of linear hardening, general solutions of the wave equation are given for each region in media with monotonically varying elastic limit. Composite solutions are discussed for nonmonotone cases. As an example, the elastic limit is determined as a function of length in an originally homogeneous isotropic elastic rod which is dropped on a rigid plate.

Courtesy Mathematical Review H. E. Ainsworth, USA

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"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2

AMERICAN, S. I.
A. P. I.I. 5011, Malti 1-34, No. 4, 29-36

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2

RASHMIL VITSCH, S. L.,
V. F. ILINSKI, (Kali, 1934, No. 4, 29-36)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

BAUER, G.

A. N. KOLMOGOROV, Arch. Sci. Biol. USSR 35-3, No. 1, 1964, 295

RAHMI, E.

Morphology of eskers within the limits of the Pandivere highlands of Estonian SSR.

p. 363 (Moksliniai Iraunesimai) Vol. 4, 1957, Vilnius, Lithuania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

S/262/62/000/013/005/005
1007/I207

AUTHOR: Plosa, Josef and Rahnenfeld, Andrzej

TITLE: Feed control of fuel pumps

PERIODICAL Reserativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustavovki, no. 13, 1962, 76, abstract
42.13.504 P. Polish patent, class 46 c-2, 115/01, no. 43172, July 18, 1960

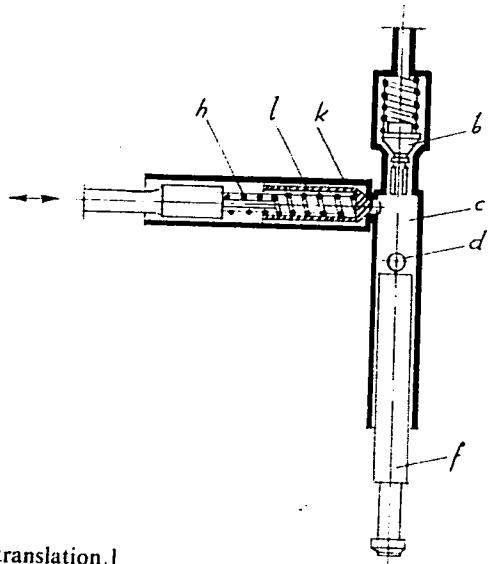
TEXT: The fuel, pressure-fed into the pump through the port (d) (See figure) during the intake stroke of the plunger (f) fills cavity (c). If during suction the pressure in the cavity exceeds the force of spring (h), the small piston (l) shifts to the left, and part of the fuel, fed through the valve (b) to the nozzle, will be diverted into the collector (k). On the next suction (intake) stroke of the plunger, the fuel enters the cavity (c) not only through the port (d), but also from the fuel collector, under the action of the spring whose tension is controlled by means of a regulator. There are 2 figures.

Card 1/2

✓

Feed control of...

S/262/62/000/013/005/005
I007/I207



[Abstracter's note: Complete translation.]

Card 2/2

RAHR, M. and T. SMIAŁEKSKI.

Measuring dust concentration in the vicinity of thermoelectric-power plants.

Pt.1. (To be contd.) p.260.

(ENERGETYKA. Vol. 10, no. 5, Sept./Oct. 1956. Stalingrad)

SC: Monthly List of East European Accessions (SEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

RAHUSIA-SUSZCZEWSKA, I.

Alkaline reserve in blood after administration of amino acids. Polaki
tygod. lek. 7 no. 44:1405-1407 3 Nov 1952. (CLML 24:1)

1. Of the Second Surgical Clinic (Head--Prof. Jan Mossakowski, M.D.)
of Warsaw Medical Academy.

RAHN, Otto

"Contradiction in Mitogenetic Experiments as a Problem of the Physiology of Bacteria",
(p. 156) by Rahn, Otto

SO: Advances in Contemporary Biology (USPEKHI SOVREMENNOI BIOLOGII) Vol. V, No. 1 1936

REIANU, J.; CIOHLISCU, V.; SIMIONOVICI, P.

A new volumetric method of determining piperazine adipate. p. 105.

REVISTA DE CHIMIE. Bucuresti, Romania. Vol. 10, no. 2, Feb. 1959.

Monthly List of East European Accessions. (EEAI), LC. Vol. 8, no. 9, Sept. 1959.
Uncl.

RAYMOND L. DAVIS

Contributions to the knowledge of Stegelylodon from the
zone of *P. kaznakovi* redbone and surroundings. Part II
Casey II 10.101-108 '64.

U. Museum of Natural History, 4100 "Over" Street, St. Louis. Submitted
October 20-22, 1961.

RUMANIA / Cultivated Plants. Technical, Oleaceous, Sugar Bearing M-6
Plants.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58706

Author : Anghel, Gh.; Raiaru, M.; Slusanschi, H.

Inst : Sci. Res. Inst. of Agriculture

Title : Germination of Seed Bolls of Sugar Beet Depending
on Their Degree of Pipeness

Orig Pub : An. Inst. cercetari agron., 1957, 24, No 5, 549-558

Abstract : Experiments carried out at the Ziganesci (Bucarest
oblast) and Negurele (Stalinskaya Oblast) experimental
stations and in different farms of the Stalinskaya
Oblast showed that bolls gathered during the phase of
green ripeness produced no more than 50% germination
and grew moldy after storage. However, the bolls
gathered at the beginning of the waxy stage can give
the minimum, required by standards of germination, if

Card 1/2

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RUMANIA / Cultivated Plants. Technical, Oleaceous, Sugar Bearing M-6
Plants.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344020005-2"
Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58706

stored under good conditions. The germination of bolls
gathered at the time of full waxy ripeness is very low,
but it can reach 70% after storage. Bolls gathered
during the phase of full ripeness germinate normally
at harvest time, but they shed very easily. Therefore,
the harvest should be carried out before the full
ripening of the bolls. -- A. M. Smirnova

Card 2/2

Country : RUMINI
Category: Cultivated Plants. Fodders.

M

Abs Jour: RZhBiol., No 22, 1958, No 100341

of hard seeds, the germinating ability rises. The percentage of hard seeds depends on the stage of maturity, method of selection and drying, and the duration of storage. Seeds dried in the sun mature faster than those dried in shade. In blue alfalfa harvested at waxy and full maturity, the percentage of hard seeds drops to two only after 100 days, even with hand selection. -- M.V. Branishnikov

Card : 3/3

Ravanu, m

✓ Laboratory determination of germinating power of sugar-beet seeds.
Gh. Anghel and M. Raianu (*Anal. Inst. Cerc. agron. Rovinj*, 1952-3,
[1955], 28, 493-500).—The effects of various factors, particularly
temp., soil humidity and the amount of prior moistening of the seeds,
on the germination of sugar-beet seeds were studied and a method
of determining the germinating power of seeds in the most favourable
standard conditions was devised. The conditions defined for this
method are: temp. 20°, soil humidity 60-70% of max. water
capacity. In these conditions, germinative energy is determined
after five days and germinating power after 10 days. Preliminary
moistening of seeds prior to germination is not advisable except in
cases of necessity. (From French summary.) J. S. C.

2

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2

RAIANU, Maria (Bucuresti)

Knowledge of seed quality of agricultural plants. Natura
Biologie 14 no.5:64-68 S-O '62.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001344020005-2"

RATANU, C.: JEANNERAUD, E.: SOARE, F.

Determination of the action of some chemical substances upon the growth of
the roots of maize and beans. p. 15.

ANALELE STIINTE. SECTIUNEA II: STIINTE NATURALE. Iasi. Rumania.
Vol. 5, no. 1, 1960.

Monthly List of East European Accessions (NEAI) LC, Vol. 9, no. 1,
January 1960.

Incl.

P. M. A.

RADU, Octavian, Chief of Operations (Sel de Lucrari, etc.)
POPOVICI, Nicolae. University Assistant, club (affiliation
not given)

"The Determination of the Physiological Activity of Certain
Derivatives of Phenoxyacetic Acid Obtained from Beech Tar."

Bucuresti, Natura. Seria Biologie, Vol 15, No 2, Mar-Apr
1973, pp 76-81.

Abstract [Authors' English summary modified]: The activity
of some derivatives obtained from beech tar was studied
with regard to their action on the root growth of maize
and maize seedlings and on the appearance of roots on bean
cuttings. With regard to both the inhibition of root
growth and the stimulation of root appearance on cuttings,
the substances acted very similarly to the substances 2,4D
and 2NAcFA, which are well-known in agricultural practice.

Includes 3 tables, 3 figures and 9 references, of which
1 is Russian and 8 are Rumanian.

1/1

RAIANU, Octavian; POPOVICI, Nicolae, asistent univ. (Iasi)

Determination of the physiological activity of some phenoxyacetic acid derivatives obtained from beech tree tar. Natura Biologie 15 no.2:76-81 Mr-Ap '63.

K-13

POLAND/Optics - Photography

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 7116

Author : Raibaud P.

Inst :
Title : Latest Accomplishments in the Field of Copying of Color Films .
Colorimetric Corrector.

Orig Pub : Techn. Kinematogr., 1957, No 9, 36-40, 45

Abstract : The use of white light when copying colored motion picture films leads to the appearance of color distortion, connected with the overlap of the regions of absorption of the dyes of the elementary emulsions of these films. For the purpose of reducing the magnitudes of these distortions, the author proposes a method of additive printing, in which the projector has three sources of light, the radiations of which are concentrated within narrow zones of the spectrum, corresponding to the zones of absorptions of the dyes of the multiple-emulsion negative (this is accomplished by using corresponding light filters). The intensities of these radiations can vary

Card : 1/2

ZWB-RML-Z 47

R3782-F691

RAIBLER

Fuze type 47---Beschreibung von Z 47---by Raibler St. Georgen I Schiv. Math
Baeuerle G. M. B. H. Nov., 1940 Germ, Secr, 7p, incl, fold, diagrs.

Description and operating characteristics are given for an automatic electro-mechanical delay action fuze. This fuze can be set for any period between 5 minutes and 1000 hours, depending upon the time desired. The fuze consists of three main units- the casing with release battery unit of 3 cells and the gear unit consisting of retarding and time gears.

SOURCE: AIR, AMC, DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS,
March 1948, P. 782, Unclassified.

16.8600

39347

S/103/62/023/007/005/009
D201/D308

AUTHORS:

Rayevskiy, S. Ya., and Raibman, N. S. (Moscow)

TITLE:

A statistical method of determining the unknown
multi-dimensional operators of automation
objects in a slightly non-linear approximation

PERIODICAL:

Avtomatika i telemekhanika, v. 22, no. 7, 1962,
918-925

TEXT: The authors give the general theory of determining the unknown multi-dimensional, slightly non-linear operators of the process from the statistical properties of inputs and outputs. The class of the slightly non-linear operators, as considered in the article, has to satisfy by definition the following conditions: (1) The result of acting of all inputs on the i-th output is given by

$$y_i(t_i) = \sum_{j=1}^m a_{ij} x_j(s_j), \quad (1.2)$$

Card 1/3

S/103/62/023/007/005/009
D201/D308

A statistical method...

where a_{ij} --the non-linear operator relating the j -th input to the i -th output; and (2) all operators a_{ij} are represented in the form of

$$a_{ij} = b_{ij}x_j(u_j) + c_{ij}, \quad (1.3)$$

where b_{ij} and c_{ij} --unknown linear operators not correlated to the input. By means of setting up all necessary instantaneous functions of inputs and of interactions between inputs and outputs, a system of $2(nxm)$ equations is obtained which makes it possible to determine $2(nxm)$ linear operators b_{ij} and c_{ij} ($i = 1, 2, \dots, n; j = 1, 2, \dots, m$). The solution of this system results in the best evaluation, from the point of view of the criterion of minimum of the r.m.s. error, of the unknown operators of the multidimensional process the evaluation of the multi-dimensional operator, within the class of slightly non-linear

Card 2/3

ACC NR: AMG010193

Introduction -- 35

Survey of vibropercussive systems -- 43

- I. One-mass vibropercussive systems with one constraint acted upon by disturbances expressed by a trigonometric polynomial -- 53
- II. One-mass vibropercussive systems with one constraint acted upon by a unilateral impulse disturbance -- 95
- III. One-mass systems with a moving constraint acted upon by a unilateral impulse disturbance -- 113
- IV. Two-mass systems acted on by a unilateral impulse disturbance - 127
- V. Modeling the motion of vibropercussive systems and physical experiments -- 139

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English language abstract -- 181

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SUB CODE: 26/ SUBM DATE: 03Dec65/ ORIG REF: 415/ OTH REF: 055/

Card 3/3

S/236/63/000/001/010/015
D251/D308

AUTHOR: Ragul'skis, K. M.

TITLE: Dynamics and stability of mechanisms on a vibrating base
in the case of combined friction (1. Simplified equation
of dynamics and periodic motion)

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B. no. 1,
1963, 131-137

TEXT: By commencing with the Lagrange equation of the second kind

$$\frac{d}{dt} \frac{\partial T}{\partial \dot{\varphi}} - \frac{\partial T}{\partial \varphi} = \frac{\partial \Pi}{\partial \varphi} + Q \quad (1.1)$$

in the usual terminology, and considering the i-th component of a mechanism with respect to kinetic energy, and introducing a parameter of dimensionless time, the author succeeds in simplifying the equation of motion without loss of precision. The mechanism is

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Dynamics and stability ...

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D251/D308

supposed plane and with one degree of freedom, while the support has a two-component linear vibration. The case of combined (non-linear viscous and dry) friction is considered. From the simplified equation of motion the author considers the case of periodic motion. The equation of dimensionless time is

$$\begin{aligned} I_n(\varphi)\varphi'' + 0.5 \frac{dI_n(\varphi)}{d\varphi} \varphi'^2 + u''F(\varphi) - u'\psi'f(\varphi) + P(\varphi) + \\ + D_1(\varphi, \omega\varphi') \text{sign } \varphi' + D_2(\varphi, \omega\varphi') = 0 \quad (1.7) \end{aligned}$$

where

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$$I_n(\varphi) = \sum_{i=1} \left[m_i \left(\frac{ds_i}{d\varphi} \right)^2 + I_i \left(\frac{d\varphi_i}{d\varphi} \right)^2 \right] \quad (1.3)$$

is the reduced moment of inertia of the mechanism. A solution is sought in the form

$$I_n(\varphi_0)\varphi''_1 + k\varphi'_1 + u^n F(\varphi_0) - u'\psi' F(\varphi_0) + \frac{1}{T} f(\varphi_0) \int_0^T u''\psi'' d\tau = 0 \quad (2.2)$$

$$I_n(\varphi_0)\varphi''_0 + P(\varphi_0) + D_1(\varphi_0, \omega\varphi'_0) \text{sign } \varphi' + D_2(\varphi_0, \omega\varphi'_0) +$$

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$$+ \frac{1}{T} \int_0^T [u''F(\varphi_0 + \varphi_1) - u'\psi'f(\varphi_0 + \varphi_1)] d\tau = 0 \quad (2.3)$$

where T is the periodic time of the functions under the integral signs. Here D_1 and D_2 are periodic functions of φ , and

$$I_n(\varphi) = \sum_{i=1}^j \sum_{p_i=1}^{q_i} \left[m_i p_i \left(\frac{ds_i p_i}{d\varphi} \right)^2 + \Delta I_i \left(\frac{d\varphi_i}{d\varphi} \right)^2 \right], \quad \right)$$

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$$F(\varphi) = \sum_{i=1}^j \sum_{p_i=1}^{q_i} m_{ip_i} \frac{ds_{ip_i}}{d\varphi} \cos \alpha_{ip_i},$$

$$f(\varphi) = \sum_{i=1}^j \sum_{p_i=1}^{q_i} m_{ip_i} \frac{ds_{ip_i}}{d\varphi} \sin \alpha_{ip_i}$$

{ (1.6)

Power series methods are used to obtained the equation of stability and the stability condition. The regions of positive stable and unstable equilibrium are investigated. There is 1 figure.

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D251/D308

ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk
Litovskoy SSR (Institute of Power and Electrical En-
gineering of the AS Lithuanian SSR)

SUBMITTED: May 25, 1962

Card 6/6

S/236/63/000/001/011/015
D251/D308

AUTHOR: Ragul'skis, K. M.

TITLE: Multiple self-synchronization of mechanical vibrators

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B. no. 1,
1963, 139-143

TEXT: The phenomenon of self-synchronization was first observed in the USSR in 1947-48, and its theory worked out by I. I. Blekhman (Izv. AN SSSR, OTN, no. 6, 1958) and others. The author extends this theory to the case of several vibrators acting with angular velocities which are multiple with respect to each other. The limiting cycles, the transient processes close to the limiting cycles and the region of the initial parameters of motion (velocities and displacements) of the vibrators of vibro-machines are investigated. It is shown that suitable limiting cycles may be established and that it is possible to apply the phenomenon of self-synchronization to the construction of special vibrators and other instruments. There is 1 figure.

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Multiple self-synchronization ...

S/236/63/000/001/011/015
D251/D308

ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk
Litovskoy SSR (Institute of Power and Electrical En-
gineering of the AS Lithuanian SSR)

SUBMITTED: June 25, 1962

Card 2/2

S/236/63/000/001/009/015
D251/D308

AUTHOR: Ragul'skis, K. M.

TITLE: On the simplification of the equations of the dynamics of mechanisms

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B. no. 1, 1963, 125-129

TEXT: The author describes a method of eliminating the dynamic errors of the statical distribution of the masses of the components of a mechanism by introducing fictitious additional moments of inertia

$$\Delta l = \int_0^{L_1+1} (L_1 + 1 - x)^2 y \, dx + \int_0^{L_1+L+L_2} (L_1 + 1 - x)^2 y \, dx -$$

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On the simplification ...

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$$-\left(1 - \frac{m_B}{m}\right) m_B L^2 \quad (2)$$

where

$$l = \frac{m_B}{m} L; \quad m = \gamma \int_0^{L_1+L+L_2} y \, dx,$$

$$m_B = \frac{\gamma}{L} \left[\int_{L_1}^{L_1+L+L_2} (x - L_1) y \, dx - \int_0^{L_1} (L_1 - x) y \, dx \right] \quad (3)$$

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On the simplification ...

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D251/D308

m_A and m_B are the masses substituted at the points A and B, γ is the mass per unit volume of the component, $y = y(x)$ is the area of cross-section. This eliminates the dynamic errors due to considering the inertia. This may be used to simplify, without loss of precision, the study of the inertia of high-speed mechanisms which perform compound motion. The case of a crank-shaft rocker mechanism is considered in detail. There are 3 figures.

ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk Litovskoy SSR (Institute of Power and Electrical Engineering of the AS Lithuanian SSR)

SUBMITTED: May 22, 1962

Card 3/3

RAGULSKIS, K.M.

Dynamics of engines with electric wiring. Liet ak darbai B no.3:
229-234 '60.
(EEAI 10:3)

1. Institut energetiki i elektrotehniki Akademii nauk Litovskoy
SSR
(Electric machinery)

S/044/62/000/011/059/064
AC60/A000

AUTHOR: Ragul'skis, K.E.

TITLE: Stable cycles in the steady-state motion of a machine with one degree of freedom as an autonomic system

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1962, 55, abstract 11V273
(Tr. AN LitSSR, 1961, B, 4 (27), 207 - 213; summary in Lithuanian)

TEXT: The method of a small parameter is used to investigate the stability of the periodic solutions of the equation

$$I(\varphi) \frac{d^2\varphi}{dt^2} + 0.5 \frac{dI(\varphi)}{d\varphi} \left(\frac{d\varphi}{dt} \right)^2 = M(\varphi, \frac{d\varphi}{dt}),$$

where I and M are periodic functions with the same period.

M.A. Ayzerman

[Abstracter's note: Complete translation]

Card 1/1

RAGUL'SKIS, K.M. [Ragulskis, K.]

Stable cycles of the steady motion of a machine with one
degree of freedom as autonomous system. Liet ak darbai
B no.4:207-213 '61.

1. Institut energetiki i elekrotokhniki AN Litovskoy SSR.

RAGUL'SKIS, K.M. [Ragulskis, K.]

Determination of the steady motion of a machine with several
flexible connections of the transmission. Liet ak darbai B
no.4:201-206 '61.

1. Institut energetiki i elektrotehniki AN Litovskoy SSR.

42660

S/236/62/000/002/004/004
E191/E481

AUTHOR: Ragul'skis, K.M.

TITLE: On heteroparametric phenomena and their stability

PERIODICAL: Trudy Akademii nauk Litovskoy SSR, Seriya B, 2(29)
1962, 205-208

TEXT: A physical pendulum is considered whose axis of rotation is horizontal and is subject to an imposed translational oscillation. It has been observed that a stable rotational motion can be maintained. In particular, a rotation with a mean angular velocity equal to half the "circular frequency" of the oscillation has been observed. The methods used by previous investigators were unsuitable for angular velocities n times smaller than the circular frequency of oscillation defined as heteroparametric phenomena. A form of the method of averaging is applied in the present paper which simplifies the analysis of these phenomena. Their existence and stability are proved. The averaging method divides the rotational motion of the pendulum into a slow component and a fast oscillatory deviation. Experimental verification on a vibrating table was obtained for $n = 1, 2, 3$ but no higher.
Card 1/2

On heteroparametric ...

S/236/62/000/002/004/004
E191/E481

ASSOCIATION: Institut energetiki i elektrotekhniki.
Akademii nauk Litovskoy SSR
(Institute of Power Engineering and Electrical
AS Lithuanian SSR) Engineering,

SUBMITTED: December 7, 1961

Card 2/2

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2

RAGULSKIS, K.M.

Free single-frequency oscillations of mechanisms around the position
of static equilibrium. Liet ak darbai B no.3:235-237 '60. (EEAI 10:3)
(Electric machinery)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2"

RACHINSKII, K.I.

RACHINSKII, K.I. --Dynamic Design Methods for the Gears of Automatic Machines." Cand Tech Sci, Inst of Machine Tools, Acad of Sci, U.S.S.R., 13 Jan 54. (Vechernaya Koskva, 4 Jan 54.)

30: Sum 168, 22 July 1954)

RAGUL'SKIS, Z.M. [Ragulskis, Z.]

Nonuniformity of the travel of a machine. Trudy AN Lit.SSR
Ser.B. no.18215-319 '64. (MIRA 1788)

Study of the steady motion of a machine with one elastic
coupling. Ibid.8321-227 '62.

1. Institut energetiki i elekrotekhniki AN Litovskoy SSR.

BUTSKUS, P.F. [Buckus, P.] ; RAGUOTENE, N.V. [Raguotiene, N.]

Anisidine as an agent of decyanoethylation. Zhur. ob. khim.
31 no. 11:3639-3642 N '61. (MIRA 14:11)

1. Vil'nyuskiy gosudarstvennyy universitet.
(Anisidine)

BUTSKUS, P.F. [Buckus, P.]; RAGUOTENE, N.V. [Raguotiene, N.]

Reaction of aromatic amines with β -substituted propionitriles.
Zhur. ob. khim. 32 no. 6:1816-1820 Je '62. (MIRA 15:6)

1. Vil'nyusskiy gosudarstvennyy universitet.
(Amines) (Propionitrile)

BUTSKUS, P.F. [Buckus, P.]; RAGUOTENE, N.V. [Raguotiene, N.]; DENIS, G.I.;
BUTSKENE, A.I. [Butskiene, A.]

Decyanoethylation and recyanoethylation of products of N-cyano-
ethylation of amino acids, their derivatives, peptides, diketo-
piperazines, and proteins. Zhur.ob.khim. 32 no.3:738-741 Mr
'62. (MIRA 15:3)

1. Vil'nyusskiy gosudarstvenny universitet.
(Amino acids) (Cyanoethylation)

BUTSKUS, P.E. [Buckus, P.]; RAGUOTENE, N.V. [Reguotiene, N.]

Amides of aryloxypropionic acids. Zhur. ob. khim. 33 no. 2:622-
624 F '63. (MIRA 16:2)

1. Vil'nyusskiy gosudarstvennyy universitet.
(Propionamide)

BUTSKUS, P.F. [Buckus, P.]; DENIS, G.I.; RAGUOTEME, N.V.

Anomalous reactions of α -aminopyridine alkylation. Zhur. ob. khim.
33 no.4:1236-1244 Ap '63. (MIRA 16:5)

1. Vil'nyusskiy gosudarstvennyy universitet.
(Pyridine) (Alkylation)

BUTSKUS, P.F. [Buckus, P.]; RAGUOTENE, N.V. [Raguotiene, N.]

Transformations of N-cyanoethylated α -amino acids and their derivatives.
Zhur. ob. khim. 34 no. 2: 593-598 F '64. (MIRA 17:3)

1. Vil'nyuskiy gosudarstvennyy universitet.

BUTSKUS, P.F. [Buckus, P.]; RAGUOTENE, N.V. [Raguotiene, N.]; BUTSKENE, A.I.
[Buckiene, A.]

Alkylation of 4-methyl-2-aminopyridine. Zhur. ob. khim. 34 no.11:
3847-3848 N :64 (MIRA 18:1)

1. Vil'nyusskiy gosudarstvennyy universitet i Vil'nyusskiy
gosudarstvennyy pedagogicheskiy institut.

L 27776-66

ACC NR: AP6008778

SOURCE CODE: UR/0115/66/000/001/0039/0041

AUTHOR: Raguzin, R. M.45
29
B

ORG: none

TITLE: Microscope for measuring geometrical parameters of particle tracks in nuclear emulsions

9M

SOURCE: Izmeritel'naya tekhnika, no. 1, 1966, 39-41

TOPIC TAGS: microscope, nuclear emulsion, particle track, track analysis

ABSTRACT: The development (in 1959-61) of a new MIGE-1 semi-automatic microscope equipped with a special computer is briefly reported. Optical and kinematic diagrams of the microscope are shown. The optical system has a magnifying power of 70 to 1800. The objective stage can be moved by 40 mm along x- and y-axes with an error of ± 0.005 mm and can carry 120 x 220-mm preparations. Tape speed, 19.05 cm/sec. Reel capacity, 500 m or 6000 points. Three programs permit measuring: (1) long track, (2) short tracks, and (3) cosmic-shower-type phenomena. The special binary computer performs 300 operations per second and solves one problem in 2--3 sec. The microscope helps in measuring and calculating parameters of 500 tracks a day (by one operator); hence, the operator's productivity increased by 20--25 times. These persons took part in the development of the microscope: G. Ye. Skvortsov,

10

Card 1/2

UDC: 531.715

2

L 27776-66

ACC NR: AP6008778

V. E. Pikkell, F. G. Lepekhin, A. A. Sidorov, M. I. Kolpakov, L. G. Braudze,
O. A. Mironov, V. A. Belyayev, M. N. Rusev, O. A. Artamonov, A. V. Tyagnibeda,
Yu. S. Volkov, V. A. Zhamov, B. M. Yakovlev, V. A. Panov, F. I. Shumskaya, and
A. A. Serebryakova, Orig. art. has: 4 figures.

16

SUB CODE: 18 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 001

Card 2/2 DU

ARMAND, G.B.; VYAZ'MIN, V.A.; GRINSHTEYN, L.M.; GOL'DBERG, G.I.; GOLUBEV, B.S.; KASILAKOV, M.V.; KRASHNOPEVTSEV, M.P.; KUZNETSOV, S.I.; KURAYEV, A.V.; KAYUKOV, G.I.; MASHATIN, V.I.; MOLOTOLOV, V.I.; NERUSH, A.R.; PRAL', G.I.; RAGUSKAYA, L.F.; RUBINSHTEYN, S.M.; SEMENKOV, P.L.; TARASOV, L.A.; FEDOROVA, A.A.; TSEPKIN, M.F.; SHAYEVICH, A.G.; ZARUBIN, A.G., otv.red.; VASIL'YEVA, I.A., red. izd-va; SOKOLOVA, T.F., tekhn.red.

[ZIL-157 motortruck; operation and service] Avtomobil' ZIL-157; instruktsiya po ekspluatatsii. Gos.nauchno-tekhn.izd-vo mashino-stroit.lit-ry, 1958. 235 p. (MIRA 11:12)

1. Moskovskiy avtomobil'nyy zavod.
(Motortrucks)

KURAYEV, A.V.; SEMENKOV, P.L.; BELYI, N.G.; BULAVA, V.P.; VYAZ'MIN, V.A.:
GOLUBEV, B.S.; DYSHMAN, B.M.; KARMLIN, B.S.; KAYUKOV, G.I., KUGEL',
N.V.; MASHATIN, V.I.; RAGUSKAYA, L.F.; HUBINSHTYN, S.M.; SMIRANOV,
A.B.; TARASOV, L.A.; FEDOROV, A.A.; FEDOROV, L.N.; TSERKIN, M.P.;
SHAYEVICH, A.G.; VASIL'YENKA, I.A., red. izd-va; TIKHANOV, A.Ya.,
tekhn. red.

[ZIL-158 and ZIL-158A motorbuses; instructions for operation] Avtobusy
ZIL-158 i ZIL-158A; instruktsii po ekspluatatsii. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 193 p.
(MIRA 11:7)

1. Moskovskiy avtomobil'nyy zavod.
(Motorbuses)

RAGUZ, Franjo, d-r

Pulmonary segments. Med. arh., Sarajevo 12 no.2:127-133 Mr-Ap '59.

1. Grudno odjeljenje Opste bolnice u Banjaluci, sef odjeljenja: d-r
F. Raguz.
(LUNGS anat. & histol.)

RAGUZ,Franjo,d-r

Ten-year survey of the activities of the pulmonary ward of the
Banjaluka hospital, 1946-1956. Med. arh., Sarajevo 13 no. 4:97-
116 Jl-Ag '59.

1. Opsta bolnica - Grudno odjeljenje Banjaluka, sef odjeljenja:
d-r F. Raguz.
(TUBERCULOSIS hosp. & clinics)

ZAGREB, N.

Electrification of Dubrovnik's islands. . . .

ELEKTRIJA. (zajednica elektroprivrednih poduzeća i tvrtke i Institut
za elektroprivredu u Zagrebu) Zagreb, Yugoslavia. Vol. 1, no. 7/8,
July/Aug. 1968.

Monthly List of East European Acquisitions (EAL), Vol. 1, no.1,
Jan. 1968

Uncl.

RAGU A, A. I.

Self unloading furnace for heating billets. Kuz.-shtam.proizv.
(MIRA 18:4)
7 no.2:35-37 F '65.

RAGUZIN, F. Ya.

Organizatsiia raboty po izobretatel'stvu na maskinostroitel'nom zavode. Moskva,
Kashgiz, 1950. 77 p. illus

Organization of suggestion systems in a machine-building plant.

DLC: TJ1135. R3

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

RAGUZIN, F. IA.

RAGUZIN, F. IA.
Suggestions for improvement of work in machine- construction plants.
Moskva, Gos. nauchno-tekhn. iad-vo mashinostroit. lit-ry, 1950. 77 p.
(50-37357)

TJ1135.R3

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2

ZHDANOV, A.P.; KOLPAKOV, M.I.; KUZ'MIN, V.N.; RAGUZIN, R.M.; FEDOTOV, P.I.

Instruments for measuring gaps in particle tracks in photographic
emulsions. Prib. i tekhn. eksp. no.1:46-47 Ja-F '58. (MIRA 11:4)

1. Radiyevyy institut AN SSSR.
(Photography, Particle track)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2"

SOV-120-58-1-8/43

AUTHORS: Zhdanov, A.P., Kolpakov, M.I., Kuz'min, V.N., Raguzin, R.M., Fedotov, P.I.

TITLE: An Instrument for Measuring the Gap Lengths in the Tracks for Particles in Photo-Emulsions (Pribor dlya izmereniya prosvetov v trekh chastits v fotoemul'siyakh)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1958, Nr 1, pp 46-47
(USSR)

ABSTRACT: The instrument is in the form of an eye-piece in whose field of view one sees a scale, a pair of parallel lines and the usual crosswire. The cross wire is set parallel to the track and the gap defined by the two parallel wires is moved along the track. This motion is achieved by means of the two micrometers shown in Fig.2. The motion of the two micrometers is independent of each other. There are 2 diagrams, no tables and 3 references, one of which is English

Card 1/2

SOV-120-58-1-8/43

An Instrument for Measuring the Gap Lengths in the Tracks for
Particles in Photo-Emulsions.

and 2 Soviet.

ASSOCIATION: Radiyevyy institut AN SSSR (Radium Institute of the
Academy of Sciences, USSR)

SUBMITTED: June 22, 1957.

1. Particles--Photographic analysis
2. Particles--Penetration
3. Measurement
4. Optical instruments--Applications

Card 2/2

RAGUZOV, V.

Seminar of workers engaged in the organization and establishment of work norms in the Khabarovsk Economic Council.
Sots. trud 8 no.12:141-142 D '63. (MIRA 17:2)

S/081/61/000/005/011/024
B105/B205

AUTHOR: Raguzina, I. M.

TITLE: On the problem of purifying crude benzene with silica gel

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1961, 524, 5M57
(5 M 57) from "Sb. nauchn. tr. Tomskiy elektromekhanich.
in-t inzh, zh.-d. transp." 1959, 28, 246 - 256

TEXT: Laboratory tests showed that the fine-pored silica gel LUC M
(ShSM) of Voskresenskiy Khim. Kombinat (Voskresensk Chemical Combine)
is suited best for purifying crude benzene from unsaturated and sulfur-
containing compounds. The best results are obtained in purifying a
mixture of benzene, toluene, and xylene fractions. Use of H₂SO₄ is
superfluous in this case. The optimum temperature of purification is
150°C.

Card 1/1

RAGUZINA, I. M.

Cand Tech Sci - (diss) "Purification of raw benzene using silica gel." Tomsk, 1961. 9 pp with illustrations; (Ministry of Higher and Secondary Specialist Education RSFSR, Tomsk Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov); 200 copies; price not given; (KL, 7-61 sup, 244)

MARGOLIN, I.S.; BUNAREVA, Z.S.; RAGUZINA, N.A.

Preparation of bulked yarn. Khim.volok. no.6:53-55 '59.
(MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.
(Textile fibers, Synthetic) (Yarn)

RAGUZOV, V.

Wages for grade 9-11 secondary school students during their
industrial training. Sots.trud 7 no.4:142-145 Ap '62.
(MIRA 16:1)
(Education, Cooperative) (Student Employment)

RAGUZOV, V.

Supply the Far East with a permanent labor force. Sots. trud 8 no.6:
77-80 Je '63. (NIRA 16:9)
(Soviet Far East--Labor supply)

RAGUZOV, V.

The worker, foreman and the head of a workshop are the best con-
trollers. Sots. trud 7 no.9:85-90 S '62. (MIRA 15:9)
(Quality control)

RAGUZOV, V.; DENISOV, I.

Wages of apprentices and instructors in on the job training. Sots.
trud 5 no.2:137-139 F '60. (MIRA 13:6)
(Vocational education) (Wages)

RAGUZOV, V.

Quality of the vocational education of workers. Sots. trud 5
no.11:68-75 N '60. (MIRA 14:1)
(Technical education)

RAGUZOV, V.

Improve the training of personnel in the setting of work norms.
Sots.trud 4 no.9:82-86 S '59. (MIRA 13:1)
(Work measurement--Study and teaching)

RAGUZIN, V.M., inzh.; SMIRNOV, Ye.S., inzh.; KHALAMOV, S.Ya., inzh.

Prevent the spontaneous shooting of perforators and torpedoes.
Bezop. truda v prom. 5 no. 2:13-14 F '61. (MIRA 14:2)
(Oil fields—Safety measures)

GOLOSHCHAROV, Semen Andreyevich; RAGUZOV, V.N.

[Wages during the period of practical training in industry]
Oplata truda v period proizvodstvennogo obucheniia. Moskva,
Gos.izd-vo iurid. lit-ry, 1961. 53 p. (MIRA 15:12)
(Wages)

GOLOVACH, A.G.; RAGUZSKIY, Ya.V.

Behavior of some Michurin fruit varieties in Leningrad. Trudy
Bot.inst.Ser.6 no.4:129-138 '55. (MIRA 9:2)
(Leningrad--Fruit culture)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2

HUNGARY, 1, ...

"Lessons From A Great International Encounter", n. 3, (REFULG, Vol. 7,
No. 14, July 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2"

RAGYANSZKY, A.; FIRESCU, M.

An article written for Skrzydla Polska at the International Glider Contest.
p. 475. (SKRZYDŁA POLSKA, Vol. 10, No. 30, July 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.
1954, Unc^l.

CZECHOSLOVAKIA

RAHA, F., MD.

Rehabilitation Ward of the Military Hospital (Re-
abilitacni oddeleni vojenske nemocnice),
Pilsen

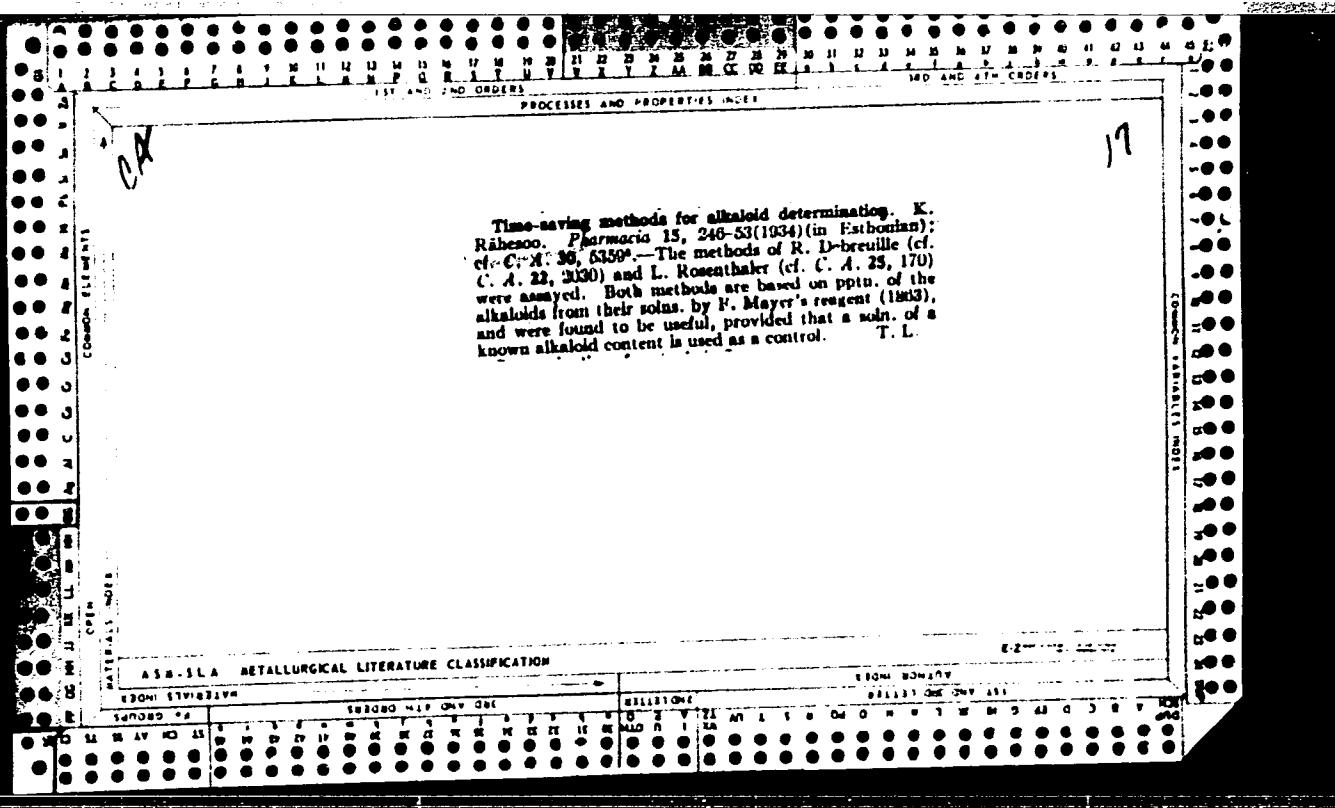
Prague, Prakticky lekar, No 10, 1963, pp 375-376

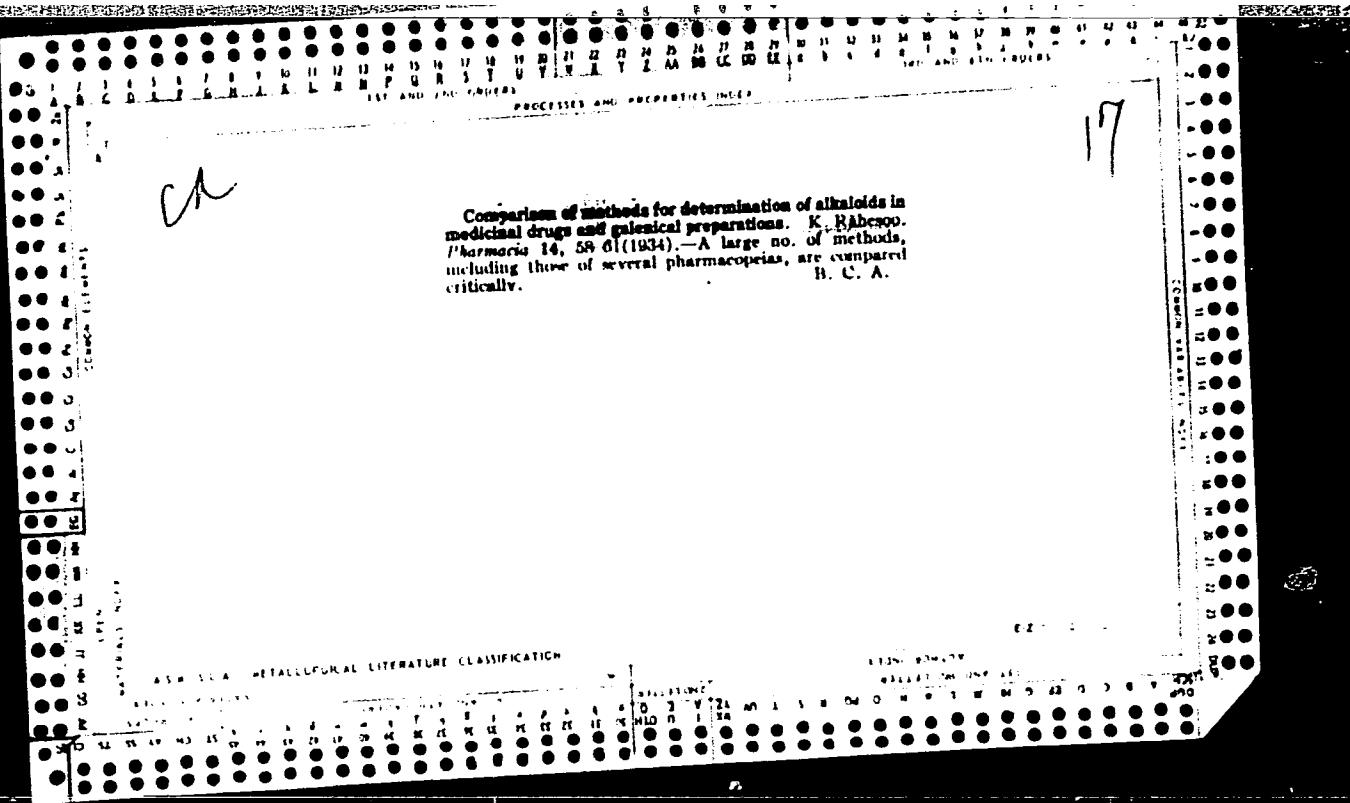
"Theory and Practice of Rehabilitation in Unexpected
Cerebral Cases."

Rach, F.

Hydrotherapy in rehabilitation of post-traumatic osteoarthritis
and Sudeck's syndrome. Roczn. sanit. 43 no. II, 764-767, 6 '61.

L. Oddalani rehabilitace a rekonalizace vojenskeho rekonvalescence
v Plzni, (nacelnik ppk. MUDr. F. Rank).





RAHAK, E.; VYKOPA, K.

Use of complexons in chemical analysis XLVI. Gravimetric and volumetric
determination of arsenate., p. 765,

CHESKÉ LIKY (Ceskoslovenska akademie věd. Ceskaslovenska spotlost
chemicks) Praha, Czechoslovakia. Vol. 49, no. 5, May 1955.

Monthly List of East European Accessions (MEAL), LC, Vol. 9, no. 1, Jan 1960

Encls.

CZ ECHOSLOVAKIA

UDC 616.24-002.5-08-039.713:356.4

RAHAY, Anton; HALAK, Ondrej, Docent; KOSTOLNY, Imrich, Docent;
Military Institute for Lung Diseases (Vojensky Ustav pre Choroby
Plucne), Nova Polianka, Head (Nacelnik) Docent Dr O. HALAK; 2nd
Clinic for Surgery (II. Chirurgicka Klinika), Bratislava, Head
(Prednosta) Member of Academy K. SISKA.

"Lung Resection in Treatment of Tuberculosis in Active Duty Pi-
lots."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 2, Apr 66, pp
84 - 87

Abstract: A description of partial lung resections performed on
7 active-duty pilots who suffered from tuberculosis is given. The
operation is indicated in young pilots who have a single lung
affected and in whom antimicrobial treatment was not successful.
The resection should be radical enough, while as much lung paren-
chyma as possible should be saved. When there are no complica-
tions after the operation, the patient may return to active duty
after one year. 7 Western, 5 Czech references.

1/1

- 42 -

RABITSKIKH, V.P. [Rabits'kykh, V.P.]

Various problems in the manufacture and sale of clothing. Leh.prcm.
no.1:30-82 Ja-Mc 165. (MIRA 18:4)

Rahkimova, A. Kh.

Characteristics of chemical composition and the laxative effect of the pericarp of honey-locust. A. Kh. Rahkimova. Doklady Akad. Nauk Azerbaidskay. SSSR, No. 9, 640-65(1953). Referat. Zhur., Khim. 1954, No. 31045.—The pericarp of *Gleditsia triacanthos* was found to contain alkaloids 0.03-0.06, glucosides and anthraglucosides 2.5, saponins and tannins 3.11%, proteins, and other substances. Decoctions and exts. of the honey-locust pericarp caused contraction of the cat's intestine. Preprns. of the *Gleditsia* pericarp are suggested as laxatives. M. Hosch —

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2

RAHKMANOV, V.

"With a Strange Voice," Meteorologiya i Gidrologiya, Issue No. 1, 1949.

U-1442, 28 Aug 51

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2"

Rahak 15
CZECHOSLOVAKIA/Analytical Chemistry - General Questions

G-1

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4662

Author : XLVIII. Schneider Petr, XLIX. Malinek, M., Rahak, B.
Title : Utilization of Complexons in Chemical Analysis. XLVIII.
Gravimetric Determination of Thorium. XLIX. Gravimetric
Determination of Silver and Mercury with Mercaptobenzo-
thiazole in the Presence of Complexon III.

Orig Pub : Chem. listy, 1956, 50, No 1, 81-83; 157-159

Abstract : XLVIII. In ammoniacal media, in the presence of Complexon III, action of H_2O_2 on salts of $Fe(3+)$, Al and Th, brings about a quantitative precipitation of only Th (after 30-60 minutes). Precipitation of Fe and Al does not take place even after several days. On precipitation of Th in the presence of Fe, Al and other elements, the readily filterable precipitate is washed with water, calcined and weighed as ThO_2 . In the presence of 10-fold excess of Al, reprecipitation is utilized. Th can

Card 1/4

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CZECHOSLOVAKIA/Analytical Chemistr. - General Questions

G-1

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4662

also be determined by the complexometric method, after dissolution of the precipitate in HCl, using pyrocatechol violet as an indicator (RzhKhim, 1955, 5763). In the filtrate Fe is determined gravimetrically, after removal of H_2O_2 by boiling, and precipitation with alkali in the cold. To determine Al, there is added to the filtrate, after removal of H_2O_2 by boiling, an equivalent amount of 0.1 M $Ca(NO_3)_2$, the flocculent precipitate ($AgC_6H_4NCS_2$

or $Hg(C_6H_4NCS_2)_2$) is filtered off through a G3 glass filter, washed with ~ 0.1 N solution of NH_4OH and dried at 110° . On determination of Hg the solution must not be strongly alkaline and the temperature of the solution, during precipitation must be $\leq 90^\circ$. The precipitate if filtered off immediately and dried ≤ 0.5 hour. Determination of Ag and Hg, when both are present, by masking of one of the cations is not

Card 2/4

- 10 -

APPROVED FOR RELEASE: 03/20/2001

CZECHOSLOVAKIA/Analytical Chemistr. - General Questions G-1 CIA-RDP86-00513R001344020005-2"

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4662

possible. The method is suitable for determination of Ag in the presence of excess Pb or of cations that interfere on a volumetric determination of Ag with SCH^- .

XLIX. On use of mercaptobenzothiazole (I) as a reagent in gravimetric analysis (Spacu G., Kuras M., Z. analyt. Chem., 1935, 102, 24; 1936, 104, 88; Kuras M., Sb. chekhol. khim. rabot, 1935, 11, 363) its selectivity can be considerably enhanced by means of complexon (II) (tetrasodium salt of ethylenediamine tetracetic acid). In ammoniacal solution of II, on an addition of I, only Ag^+ and Hg^{2+} are precipitated, while most of the other cations, with the exception of Au and metals of the Pt-group, are masked by II. In the presence of 4-valent metals and Be they are masked with tartaric acid. To a solution containing 10-100 mg Ag (Hg) is added an excess of II and 1-3 ml of 50% solution of CH_3COONH_4 . After

Card 3/4

- 11 -

CZECHOSLOVAKIA/Analytical Chemistry - General Questions

G-1

Abs Jour : Referat Zhur - Khimiya, No 2, 1951, 4652

alkalinization with NH_4OH (to phenolphthalein) a slight excess of I is added to the solution maintained at a gentle boil. On stirring at moderate temperature a yellow precipitate is formed and Al is separated quantitatively. Determination of Th is interfered with by Ti and rare earth elements. The method is suitable for the analysis of thorium containing W used in radio engineering.

Communication XLVII, see RzhKhim, 1956, 54/44.

Card 4/4

- 12 -

S/169/62/000/004/041/103
D228/D302

AUTHOR:

Rahau, Lidia

TITLE:

Application of Khrabov's method for obtaining the qualitative indices of the AT-500 (AT-500) map on the basis of future development tendencies

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1962, 44-45, abstract 4B262 (Meteorol., hidrol. si gospod. apelor, 6, no. 2, 1961, 109-113)

TEXT: Methods of distinguishing the planetary high-altitude frontal zone are briefly characterized, and three types of zone are described. A means of applying the velocity-eddy equation under conditions of a homogeneous macroprocess is stated, and the practical formula and rule of Yu. B. Khrabov are cited, and the practical zones with cyclonic or anticyclonic eddying and for their movement. The method was used in the laboratory of long-term synoptic forecasting for the period from December 26, 1960, to February 16, 1961. Of the periods, entering into this time interval, that from January

Car

Card 1/2

Rabin, J.; Marder, F.

"Contribution to the sulfonation of diphenyl." p. 837

Institute of Technology, (Institute Review of Science.) Vol. 10, No. 2, May 1953.

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5 May 1953

RAHM, J.

21

Synthesis of an ion-exchange resin selective for nickel.
J. Stemberz, I. Seidl, and J. Rahm (Research Inst. Synthetic Resins and Lacquers, Pardubice, Czech.). *J. Polymer Sci.* 31, 13-24 (1958) (in German). Repetition of work done elsewhere (Klyachko, *C.A.* 46, 3327g) on the synthesis of a Ni-selective ion-exchange resin based on the dimethylglyoxime group showed that such a resin had certain disadvantages, but that some of these could be eliminated by varying the resin formulation. The original dimethylglyoxime-sulforescinol resin lost dimethylglyoxime on elution and in reaction with HCHO. A new resin was prep'd. by condensing *p,p'*-dihydroxybenzil dioxime with HCHO in a mole ratio of 1:2; but, while the resin did not yield dioxine on elution, it was destroyed by HCHO and was not selective towards Ni. Another resin was prep'd. by condensing resorcinol (1 mole) with HCHO (1.2 mole) and treating the product in an alk. alc. medium with 1-bromo-3-hydroxybutan-2-one to 74% conversion and then adding a further oxime group by treatment with excess HOH₂N.HCl in an aq. alc. medium buffered with NaOAc to 95% conversion. The product, which was an *o*-(2,3-dihydroxyamino-butyl) deriv. of a resorcinol-HCHO resin, showed instability owing to peptization at the high pH values necessary to form a Ni complex. A further series of resins was prep'd. based on polystyrene. Initially polystyrene (av. mol. wt. 150,000), EtCOCl, and AlCl₃ in component ratio 1:1:1 were allowed to react in CS₂ in which the reaction product was insol. This product was then treated with MeONO in a dioxane-HCl medium to form the monoxime. On addn. of H₂O a light resin was formed. The dioxine was then prep'd. from this by treatment with excess NH₄OH as above, the max. conversion obtained being 72.8% based on N content. Propionyl substitution had taken place in the para position of the polystyrene. This resin showed a Ni capacity of 2 meq./g. but exhibited poor mech. properties. Further resins of this type were therefore prep'd. from styrene-divinylbenzene copolymers (0.3% and 1.0% divinylbenzene). These are now being evaluated. R. J. R.

Distr: 4E2c

SJ

7/2 J.R.

//

SEKERA, A.; RAHM, J.

Antural altihelminthic drugs; askaridol. Czech. farm. 1 no. 8:471-477
Sept 1952. (CIML 23:2)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2

SEKERA, A.; RAJIM, J.

Natural and helminthics, III, Helenin, Cesk. farm, 2 no.1:22-24
Jan 1953. (CIML 25:1)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2

SEKERA, A.; RAHM, J.

Natural anthelmintics; santonin. Cesk. farm. 1 no.10:594-598 1952.
(CIML 23:2)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2"

TAUBEL, I.; RAIM, J.; LESEK, F.

Carboxymethyl cellulose as stabilizer of the suspension polymerization.
Chem prum 12 no.7:389-390 Jl '62.

1. Vyzkumny ustav syntetickych pryskyric a laku, Pardubice.

RAHM, J.

Chem
4

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Pharmaceuticals, Cosmetics, and Perfumes.

Anthelmintics of natural origin. III. Helenin, A. Sekera
and J. Rahm (Univ. Brno, Czech.). Ceskoslovenská farm. 2,
22-4 (1953); cf. C.A. 47, 8071a.—A review on chemistry
and effect, with 19 references. D. Hubsková

8-31-54
ggp

SEIDL, Josef; MALINSKY, Jaroslav; RAHM, Jan

New trends in the development of ion-exchangers. Chem listy
58 no. 6:651-656 Je '64.

i. Research Institute of Synthetic Resins and Lacquers,
Pardubice.

Applied Mechanics
Review

Wave Motion, Impact

36

2202. H. A. Rahmatulin, Investigation of the laws of propagation of plane elastic-plastic waves in a medium with a variable elastic limit (in Russian), Prikl. Mat. Mekh. 14, 65-74 (1950).

Plastic deformation theory is used to discuss propagation of plane longitudinal waves in a medium in which the elastic limit $\sigma_0(\epsilon)$ varies as a function of the coordinate. It is shown that the law of propagation of a plastic wave depends only on $\sigma_0(\epsilon)$ and the stress-strain curve and is independent of the manner of loading. In general, three stressed regions will exist in such medium - an elastic region, a region of plastic loading, and a region of unloading. For the case of linear hardening, general solutions of the wave equation are given for each region in media with monotonically varying elastic limit. Composite solutions are discussed for nonmonotone cases. As an example, the elastic limit is determined as a function of length in an originally homogeneous isotropic elastic rod which is dropped on a rigid plate.

Courtesy Mathematical Review H. E. Ainsworth, USA

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"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2

AMERICAN, S. I.
A. P. I.I. 501, Malti 1-34, No. 4, 29-36

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2

RASHMIL VITSCH, S. L.,
V. F. ILINSKI, (Kali, 1934, No. 4, 29-36)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001344020005-2"

RATN, L.

A. S. RATN, Arch. Sci. Biol. USSR 35-3, No. 1, 1964, 295

RAHMI, E.

Morphology of eskers within the limits of the Pandivere highlands of Estonian SSR.

p. 363 (Moksliniai Iraunesimai) Vol. 4, 1957, Vilnius, Lithuania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

S/262/62/000/013/005/005
1007/I207

AUTHOR: Plosa, Josef and Rahnenfeld, Andrzej

TITLE: Feed control of fuel pumps

PERIODICAL: Reserativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustavovki, no. 13, 1962, 76, abstract
42.13.504 P. Polish patent, class 46 c-2, 115/01, no. 43172, July 18, 1960

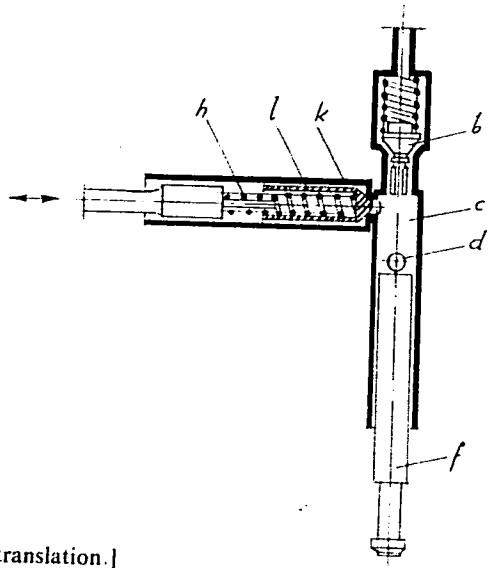
TEXT: The fuel, pressure-fed into the pump through the port (d) (See figure) during the intake stroke of the plunger (f) fills cavity (c). If during suction the pressure in the cavity exceeds the force of spring (h), the small piston (l) shifts to the left, and part of the fuel, fed through the valve (b) to the nozzle, will be diverted into the collector (k). On the next suction (intake) stroke of the plunger, the fuel enters the cavity (c) not only through the port (d), but also from the fuel collector, under the action of the spring whose tension is controlled by means of a regulator. There are 2 figures.

Card 1/2

✓

Feed control of...

S/262/62/000/013/005/005
I007/I207



[Abstracter's note: Complete translation.]

Card 2/2

RAHR, M. and T. SMIAŁEKSKI.

Measuring dust concentration in the vicinity of thermoelectric-power plants.

Pt.1. (To be contd.) p.260.

(ENERGETYKA. Vol. 10, no. 5, Sept./Oct. 1956. Stalingrad)

SC: Monthly List of East European Accessions (SEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

RAHUSIA-SUSZCZEWSKA, I.

Alkaline reserve in blood after administration of amino acids. Polaki
tygod. lek. 7 no. 44:1405-1407 3 Nov 1952. (CLML 24:1)

1. Of the Second Surgical Clinic (Head--Prof. Jan Mossakowski, M.D.)
of Warsaw Medical Academy.

RAHN, Otto

"Contradiction in Mitogenetic Experiments as a Problem of the Physiology of Bacteria",
(p. 156) by Rahn, Otto

SO: Advances in Contemporary Biology (USPEKHI SOVREMENNOI BIOLOGII) Vol. V, No. 1 1936

REIANU, J.; CIOHLISCU, V.; SIMIONOVICI, P.

A new volumetric method of determining piperazine adipate. p. 105.

REVISTA DE CHIMIE. Bucuresti, Romania. Vol. 10, no. 2, Feb. 1959.

Monthly List of East European Accessions. (EEAI), LC. Vol. 8, no. 9, Sept. 1959.
Uncl.

RAYMOND L. DAVIS

Contributions to the knowledge of Steppylittoral fauna of
the zone of P. caerulea reeds in and surroundings. Part II
Casey II 10.101-108 '64.

U. Museum of Natural History, 4101 "N" Street, S.W., Washington
October 20-22, 1961.

RUMANIA / Cultivated Plants. Technical, Oleaceous, Sugar Bearing M-6
Plants.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58706

Author : Anghel, Gh.; Raiaru, M.; Slusanschi, H.

Inst : Sci. Res. Inst. of Agriculture
Title : Germination of Seed Bolls of Sugar Beet Depending
on Their Degree of Pipeness

Orig Pub : An. Inst. cercetari agron., 1957, 24, No 5, 549-558

Abstract : Experiments carried out at the Ziganesci (Bucarest oblast) and Negurele (Stalinskaya Oblast) experimental stations and in different farms of the Stalinskaya Oblast showed that bolls gathered during the phase of green ripeness produced no more than 50% germination and grew moldy after storage. However, the bolls gathered at the beginning of the waxy stage can give the minimum, required by standards of germination, if

Card 1/2

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RUMANIA / Cultivated Plants. Technical, Oleaceous, Sugar Bearing M-6
Plants.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344020005-2"
Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58706

stored under good conditions. The germination of bolls gathered at the time of full waxy ripeness is very low, but it can reach 70% after storage. Bolls gathered during the phase of full ripeness germinate normally at harvest time, but they shed very easily. Therefore, the harvest should be carried out before the full ripening of the bolls. -- A. M. Smirnova

Card 2/2

Country : RUMANIA
Category: Cultivated Plants. Fodders.

M

Abs Jour: RZhBiol., No 22, 1958, No 100341

of hard seeds, the germinating ability rises. The percentage of hard seeds depends on the stage of maturity, method of selection and drying, and the duration of storage. Seeds dried in the sun mature faster than those dried in shade. In blue alfalfa harvested at waxy and full maturity, the percentage of hard seeds drops to two only after 100 days, even with hand selection. -- M.V. Branishnikov

Card : 3/3

Ravanu, m

✓ Laboratory determination of germinating power of sugar-beet seeds.
Gh. Anghel and M. Raianu (*Anal. Inst. Cerc. agron. Rovinj*, 1952-3,
[1955], 28, 493-500).—The effects of various factors, particularly
temp., soil humidity and the amount of prior moistening of the seeds,
on the germination of sugar-beet seeds were studied and a method
of determining the germinating power of seeds in the most favourable
standard conditions was devised. The conditions defined for this
method are: temp. 20°, soil humidity 60-70% of max. water
capacity. In these conditions, germinative energy is determined
after five days and germinating power after 10 days. Preliminary
moistening of seeds prior to germination is not advisable except in
cases of necessity. (From French summary.) J. S. C.

2

RAIANU, Maria (Bucuresti)

Knowledge of seed quality of agricultural plants. Natura
Biologie 14 no.5:64-68 S-O '62.

RATANU, C.: JEANNERAUD, E.: SOARE, F.

Determination of the action of some chemical substances upon the growth of
the roots of maize and beans. p. 15.

ANALELE STIINTE. SECTIUNEA II: STIINTE NATURALE. Iasi. Rumania.
Vol. 5, no. 1, 1960.

Monthly List of East European Accessions (NEAI) LC, Vol. 9, no. 1,
January 1960.

Incl.

P. M. A.

RAZVAN, Octavian, Chief of Operations (Sel de Lucrari, etc.)
POPOVICI, Nicolae. University Assistant, club (affiliation
not given)

"The Determination of the Physiological Activity of Certain
Derivatives of Phenoxyacetic Acid Obtained from Beech Tar."

Bucuresti, Natura. Seria Biologie, Vol 15, No 2, Mar-Apr
1973, pp 76-81.

Abstract [Authors' English summary modified]: The activity
of some derivatives obtained from beech tar was studied
with regard to their action on the root growth of maize
and maize seedlings and on the appearance of roots on bean
cuttings. With regard to both the inhibition of root
growth and the stimulation of root appearance on cuttings,
the substances acted very similarly to the substances 2,4D
and 2NAUFA, which are well-known in agricultural practice.

Includes 3 tables, 3 figures and 9 references, of which
1 is Russian and 8 are Rumanian.

12/2

RAIANU, Octavian; POPOVICI, Nicolae, asistent univ. (Iasi)

Determination of the physiological activity of some phenoxyacetic acid derivatives obtained from beech tree tar. Natura Biologie 15 no.2:76-81 Mr-Ap '63.

K-13

POLAND/Optics - Photography

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 7116

Author : Raibaud P.

Inst :
Title : Latest Accomplishments in the Field of Copying of Color Films .
Colorimetric Corrector.

Orig Pub : Techn. Kinematogr., 1957, No 9, 36-40, 45

Abstract : The use of white light when copying colored motion picture films leads to the appearance of color distortion, connected with the overlap of the regions of absorption of the dyes of the elementary emulsions of these films. For the purpose of reducing the magnitudes of these distortions, the author proposes a method of additive printing, in which the projector has three sources of light, the radiations of which are concentrated within narrow zones of the spectrum, corresponding to the zones of absorptions of the dyes of the multiple-emulsion negative (this is accomplished by using corresponding light filters). The intensities of these radiations can vary

Card : 1/2

ZWB-RML-Z 47

R3782-F691

RAIBLER

Fuze type 47---Beschreibung von Z 47---by Raibler St. Georgen I Schiv. Math
Baeuerle G. M. B. H. Nov., 1940 Germ, Secr, 7p, incl, fold, diagrs.

Description and operating characteristics are given for an automatic electro-mechanical delay action fuze. This fuze can be set for any period between 5 minutes and 1000 hours, depending upon the time desired. The fuze consists of three main units- the casing with release battery unit of 3 cells and the gear unit consisting of retarding and time gears.

SOURCE: AIR, AMC, DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS,
March 1948, P. 782, Unclassified.

16.8600

39347

S/103/62/023/007/005/009
D201/D308

AUTHORS:

Rayevskiy, S. Ya., and Raibman, N. S. (Moscow)

TITLE:

A statistical method of determining the unknown
multi-dimensional operators of automation
objects in a slightly non-linear approximation

PERIODICAL:

Avtomatika i telemekhanika, v. 22, no. 7, 1962,
918-925

TEXT: The authors give the general theory of determining the unknown multi-dimensional, slightly non-linear operators of the process from the statistical properties of inputs and outputs. The class of the slightly non-linear operators, as considered in the article, has to satisfy by definition the following conditions: (1) The result of acting of all inputs on the i-th output is given by

$$y_i(t_i) = \sum_{j=1}^m a_{ij} x_j(s_j), \quad (1.2)$$

Card 1/3

S/103/62/023/007/005/009
D201/D308

A statistical method...

where a_{ij} --the non-linear operator relating the j -th input to the i -th output; and (2) all operators a_{ij} are represented in the form of

$$a_{ij} = b_{ij}x_j(u_j) + c_{ij}, \quad (1.3)$$

where b_{ij} and c_{ij} --unknown linear operators not correlated to the input. By means of setting up all necessary instantaneous functions of inputs and of interactions between inputs and outputs, a system of $2(nxm)$ equations is obtained which makes it possible to determine $2(nxm)$ linear operators b_{ij} and c_{ij} ($i = 1, 2, \dots, n; j = 1, 2, \dots, m$). The solution of this system results in the best evaluation, from the point of view of the criterion of minimum of the r.m.s. error, of the unknown operators of the multidimensional process the evaluation of the multi-dimensional operator, within the class of slightly non-linear

Card 2/3